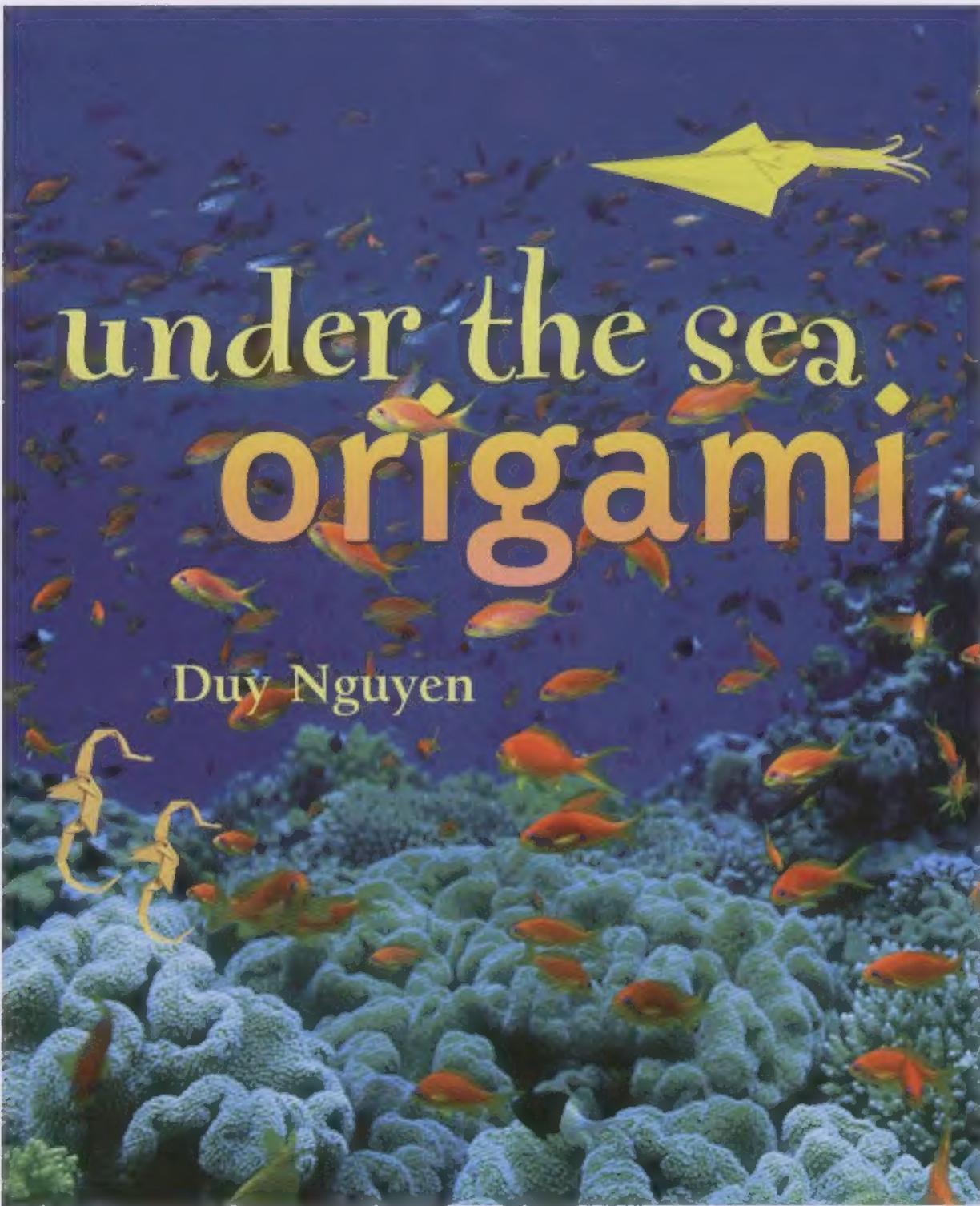


under the sea origami

Duy Nguyen



under the sea origami

Duy Nguyen



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New York



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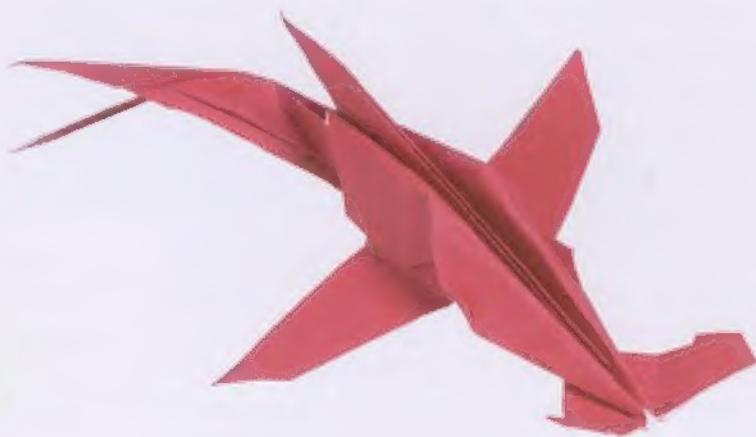


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Preface

A word of encouragement. When I first began learning origami, I struggled with even the simplest folds. I would look back at the instructions at the beginning of the book again and again, reviewing the basic folds. I also looked ahead, at the diagram showing the next step of whatever project I was folding, to see how it *should* look, to be certain I was following the instructions correctly. Looking ahead at the “next step,” the result of a fold, is incidentally a very good way for a beginner to learn origami.

You will easily pick up this and other learning techniques as you follow the step-by-step directions and fold the simple origami forms specially designed for this book. Soon you’ll find yourself with an under-the-sea origami menagerie perfectly suited for display in a large—but waterless—bedroom aquarium. Or, you can simply enjoy making dozens of these colorful sea creatures and present them to family members and special friends.

Duy Nguyen

Basic Instructions

Paper: Paper used in traditional origami is thin, keeps a crease well, and folds flat. Packets of specially designed sheets, about 6 and 8 inches square (15 and 21 cm), can be found in various colors. Many of the simpler projects in this book, however, call for a longer, rectangular-shaped paper, but this shouldn’t be a problem. Colored papers, for use in crafts, are widely available. You can also use plain white paper, solid-color paper, or even wrapping paper. Be aware, though, that some papers stretch slightly in length or width, while others tear easily.

You might also color or print off your own larger sheets and cut to size. Use markers to add coloring to white paper and sea-appropriate finishing touches. (While regular white paper may be too heavy for traditional origami, it is fine for crafting these simpler creatures. Their fewer folds also make them perfect for learning to fold and enjoy the wonderful art of origami.)

Glue: Use an easy-flowing but not loose paper glue. Use it sparingly; don’t soak the paper. A flat toothpick makes a good applicator. Be sure to allow the glued form time to dry. Avoid stick glue, which can become overly dry and crease or damage your figure.

Technique: Fold with care. Position the paper, especially at corners, precisely and line edges up before creasing. Once you are sure of the fold, use a fingernail to make a clean, flat crease.

For more complex folds, create “construction lines.” Fold and unfold, using simple mountain and valley folds, to pre-crease. This creates guidelines, and the finished fold is more likely to match the one shown in the book. Folds that look different, because the angles are slightly different, can throw you off. Don’t get discouraged with your first efforts. In time, what your mind can create, your fingers can fashion.

Symbols & Lines

Fold lines valley mountain

Fold then unfold

Cut line

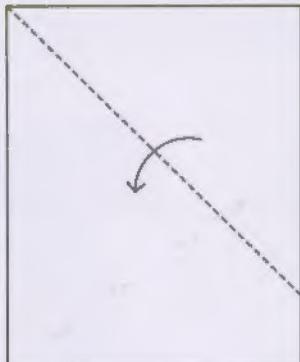
Pleat fold
(repeated folding)

Turn over or rotate

Crease line

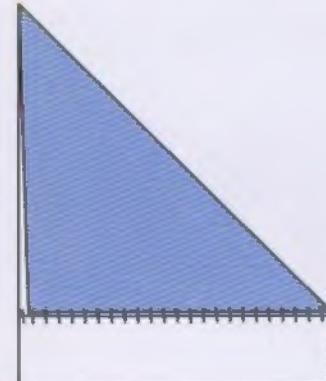


Squaring-Off Paper



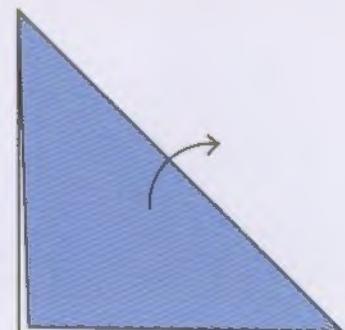
1

Take a rectangular sheet
of paper and valley fold it
diagonally to opposite edge.



2

Cut off excess on long side
as shown.

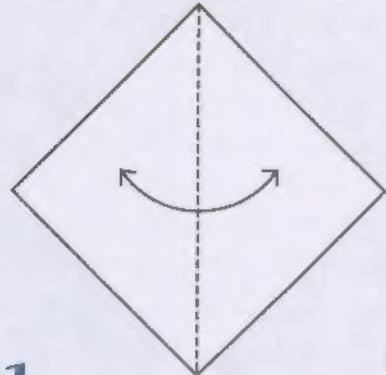


3

Unfold, and sheet is square.

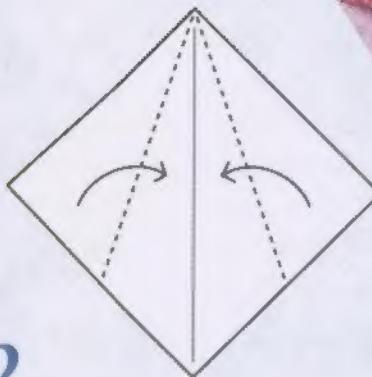
Basic Folds

Kite Fold



1

Fold and unfold a square diagonally, making a center crease.



2

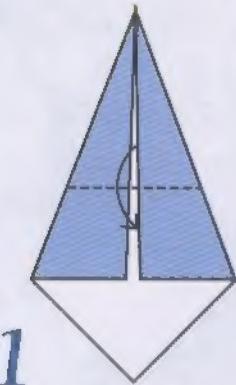
Fold both sides in to the center crease.



3

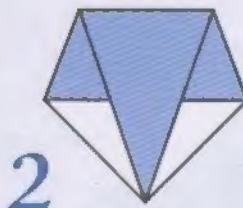
This is a kite form.

Valley Fold



1

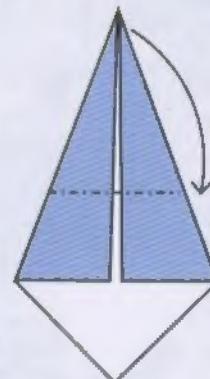
Here, using the kite, fold form toward you (forward), making a "valley."



2

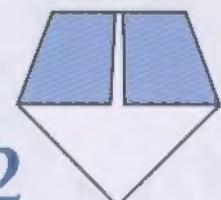
This fold forward is a valley fold.

Mountain Fold



1

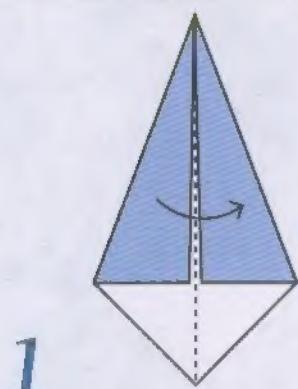
Here, using the kite, fold form away from you (backwards), making a "mountain."



2

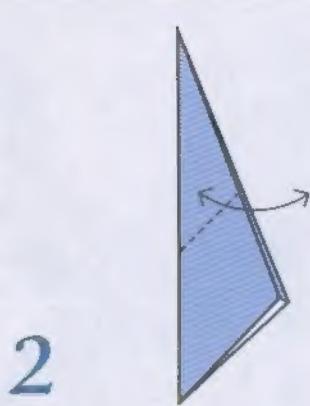
This fold backwards is a mountain fold.

Inside Reverse Fold



1

Starting here with a kite, valley fold kite closed.



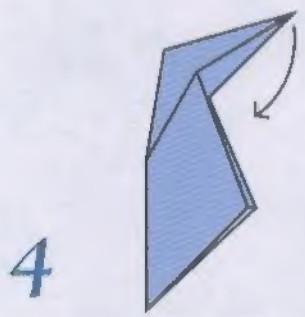
2

Valley fold as marked to crease, then unfold.



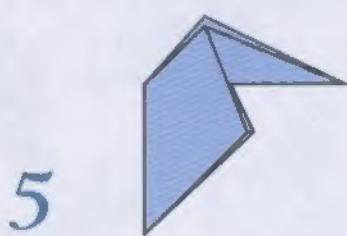
3

Pull tip in direction of arrow.



4

Appearance before completion.

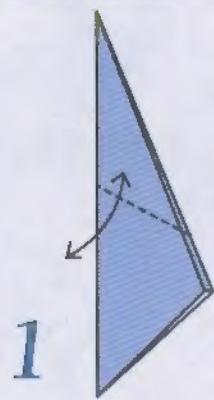


5

You've made an inside reverse fold.

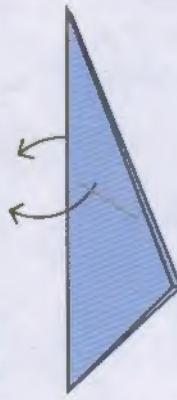


Outside Reverse Fold



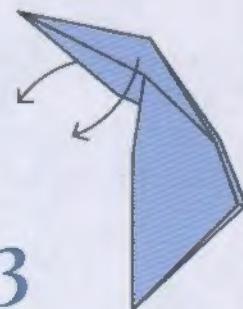
1

Using closed kite, valley fold, unfold.



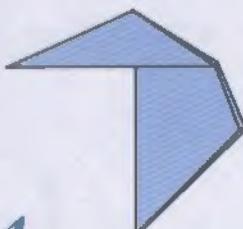
2

Fold inside out, as shown by arrows.



3

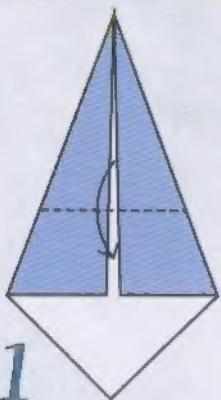
Appearance before completion.



4

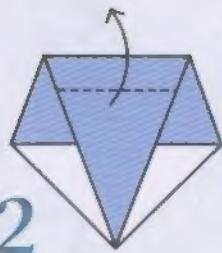
You've made an outside reverse fold.

Pleat Fold



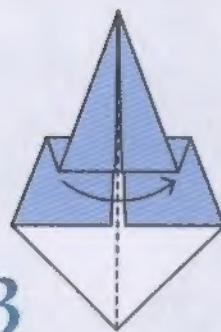
1

Here, using the kite, valley fold.



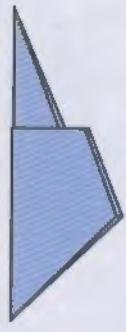
2

Valley fold back again.



3

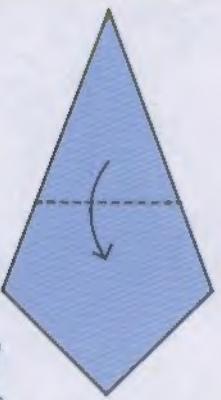
This is a pleat.
Valley fold in half.



4

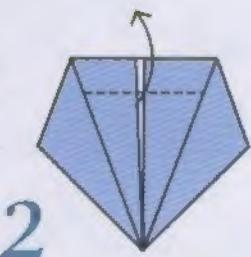
You've made a
pleat fold.

Pleat Fold Reverse



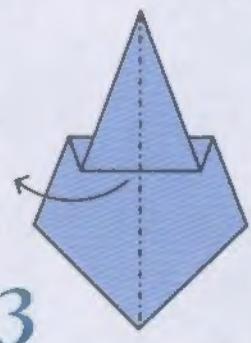
1

Here, using the kite
form backwards,
valley fold.



2

Valley fold back
again for pleat.



3

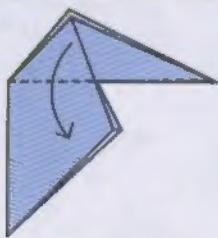
Mountain fold form
in half.



4

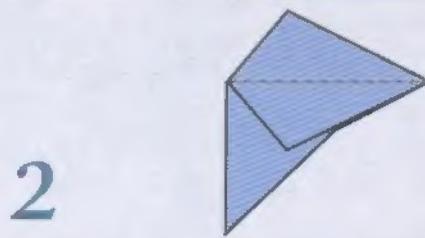
This is a pleat fold
reverse.

Squash Fold I



1

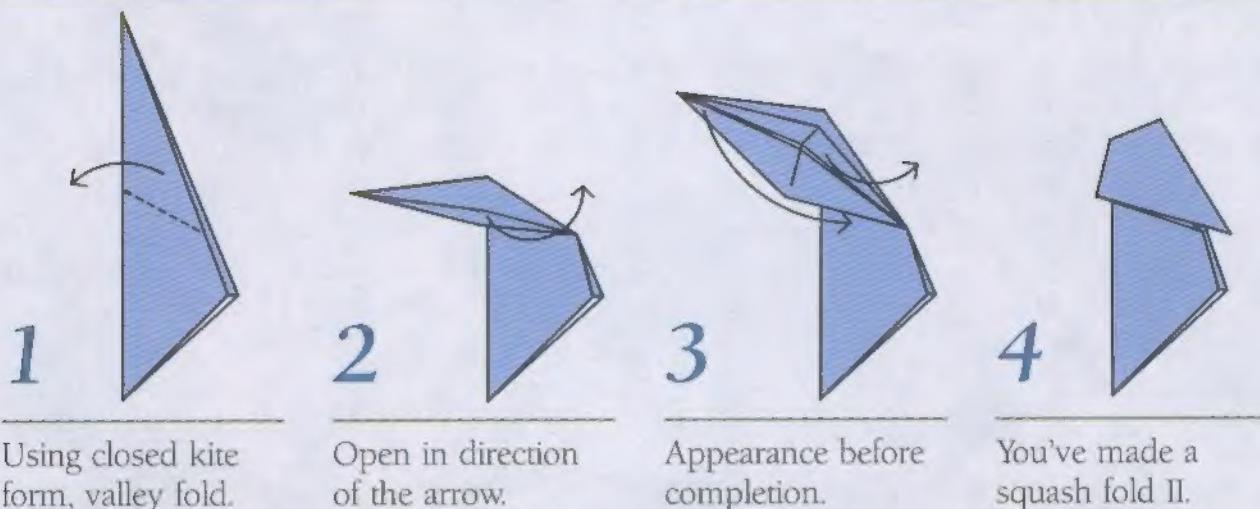
Using inside reverse, valley fold one side.



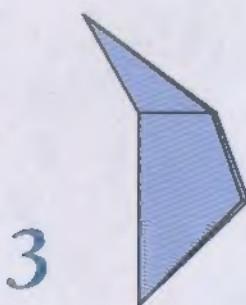
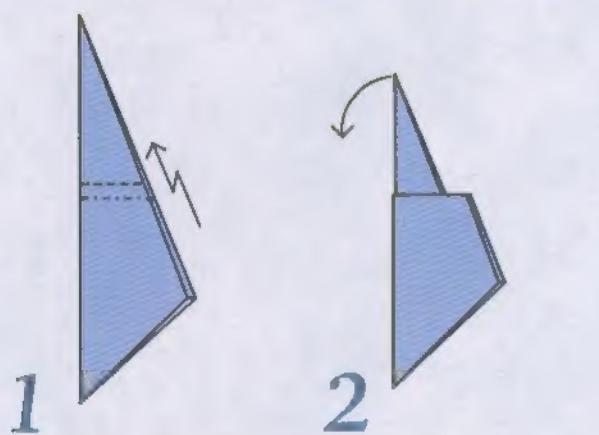
2

This is a squash fold I.

Squash Fold II

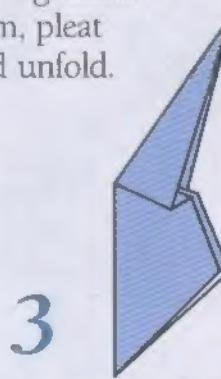
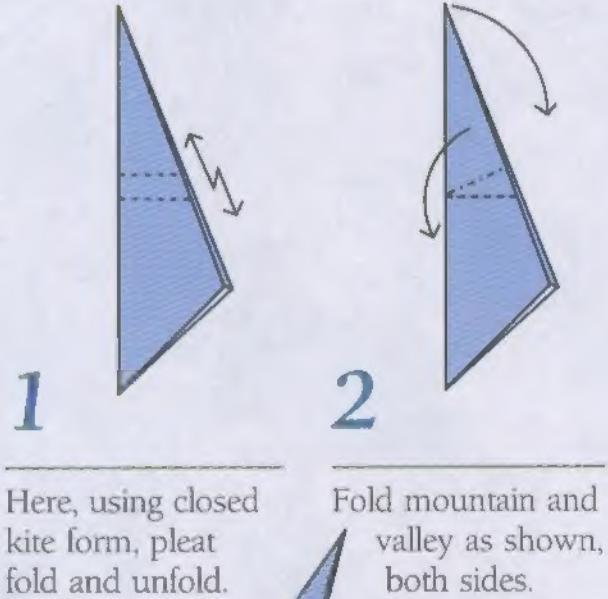


Inside Crimp Fold



This is an inside crimp fold.

Outside Crimp Fold

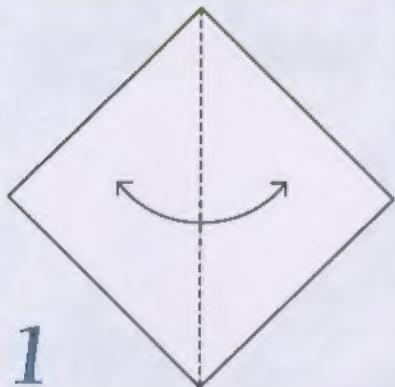


This is an outside crimp fold.

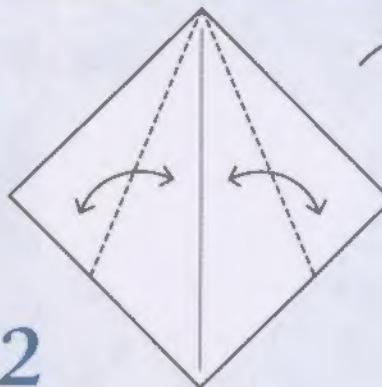
Base Folds

Base folds are basic forms that do not in themselves produce origami, but serve as a basis, or jumping-off point, for a number of creative origami figures, some quite complex. As when beginning other crafts, learning to fold these base folds is not the most exciting part of origami. They are, however, easy to do, and will help you with your technique. They also quickly become rote, so much so that you can do many using different-colored papers while you are watching television or your mind is elsewhere. With completed base folds handy, if you want to quickly work up a form or are suddenly inspired with an idea for an original, unique figure, you can select an appropriate base fold and swiftly bring a new creation to life.

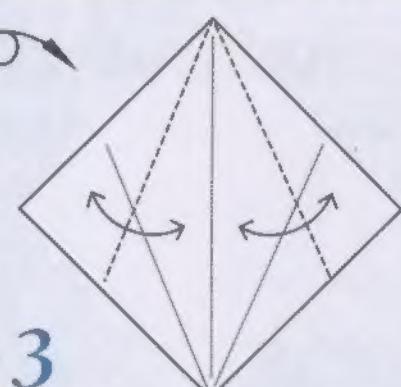
Base Fold I



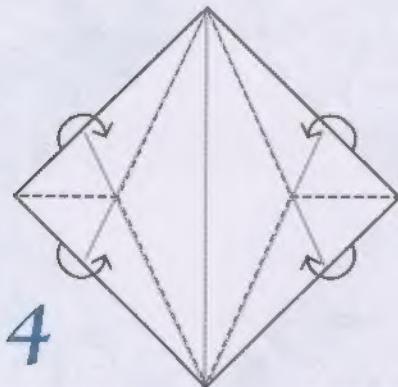
Fold and unfold in direction of arrow.



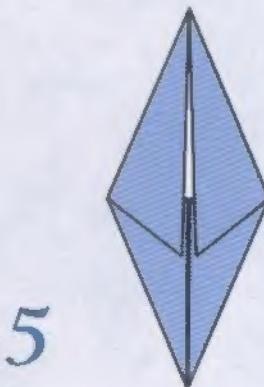
Fold both sides in to center crease, then unfold. Rotate.



Fold both sides in to center crease, then unfold.



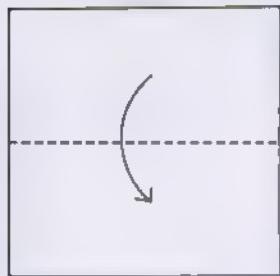
Pinch corners of square together and fold inward.



Completed Base Fold I.



Base Fold II



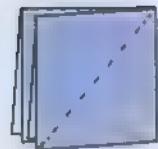
1

Valley fold.



2

Valley fold.



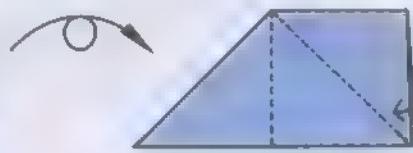
3

Squash fold.



4

Turn over to other side



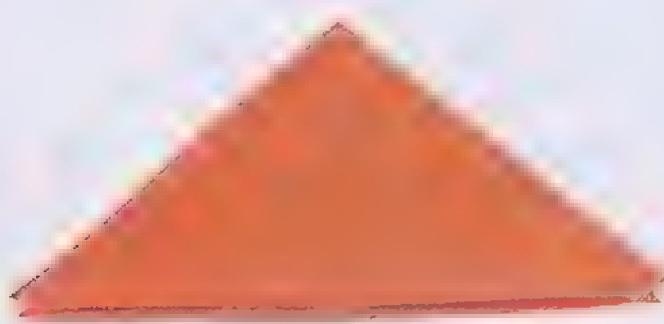
5

Squash fold

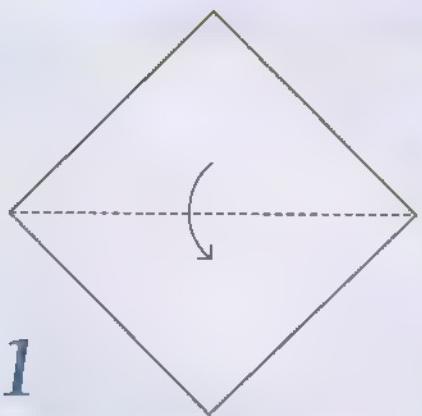


6

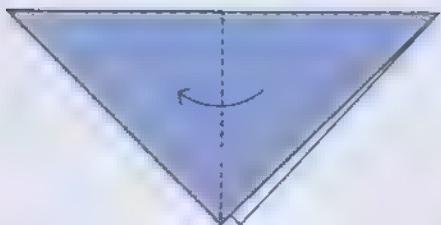
Completed Base Fold II.



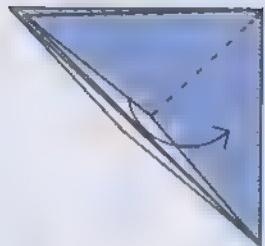
Base Fold III



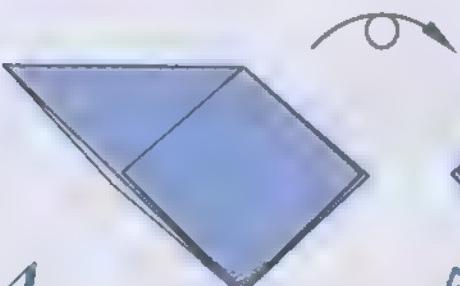
Valley fold.



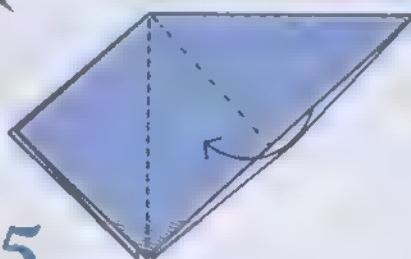
Valley fold.



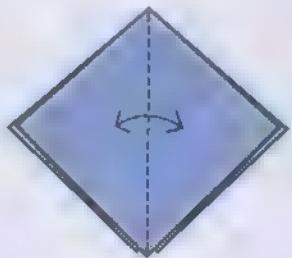
Squash fold.



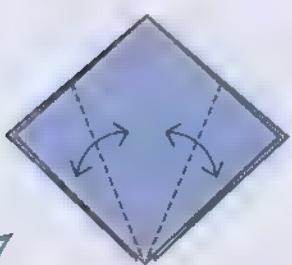
Turn over.



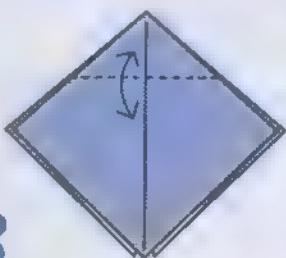
Squash fold.



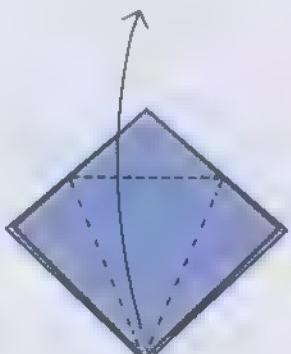
Valley fold, unfold.



Valley folds, unfold.



Valley fold, unfold

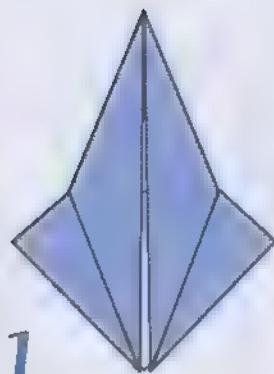


Pull in direction of arrow,
folding inward at sides.



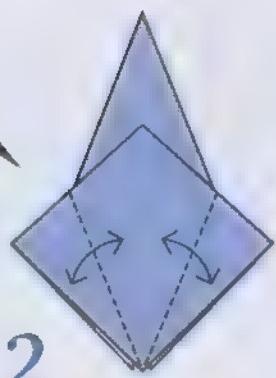
10

Appearance before
completion of fold



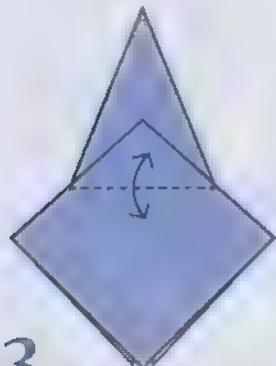
11

Fold completed. Turn over.



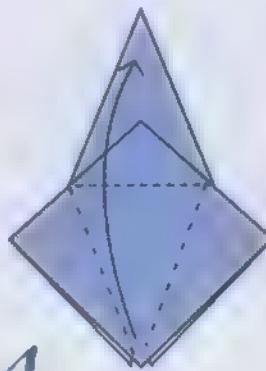
12

Valley folds, unfold.



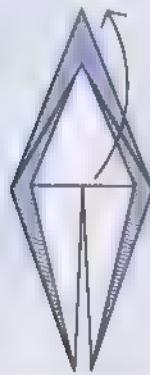
13

Valley fold, unfold.



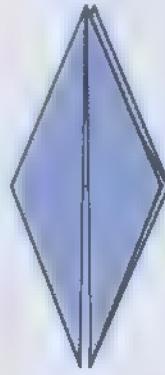
14

Repeat, again pulling in
direction of arrow.



15

Appearance before
completion.



16

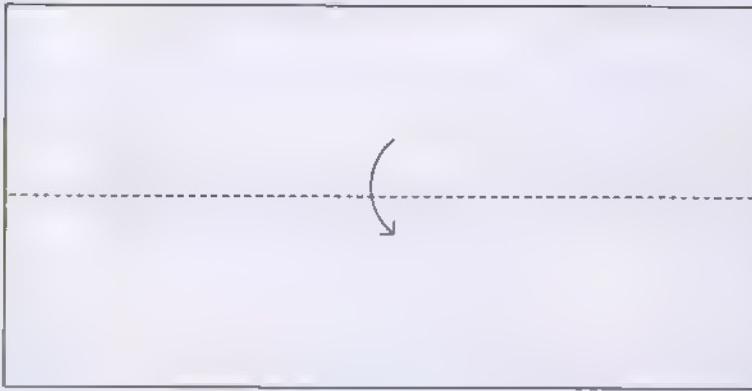
Completed Base Fold III.



Base Fold IV

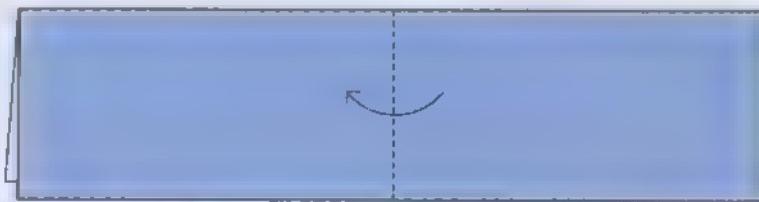
1

Valley fold rectangular size paper (size variable) in half as shown.



2

Valley fold in direction of arrow.



3



Make cut as shown.

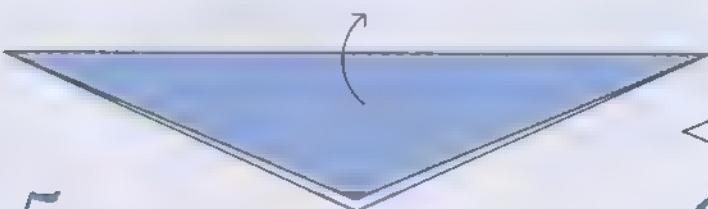
4

Unfold.



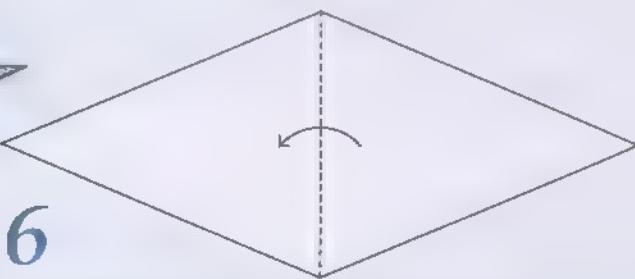
5

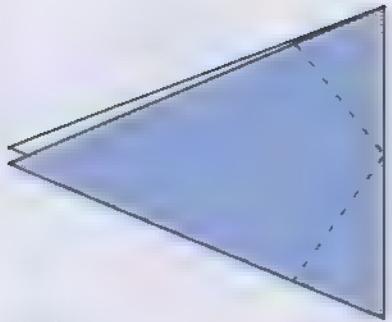
Unfold.



6

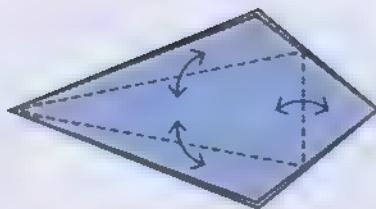
Valley fold in half.





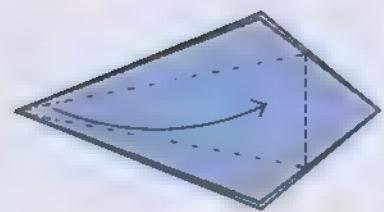
7

Inside reverse folds to inner center crease.



8

Valley fold and unfold to crease.



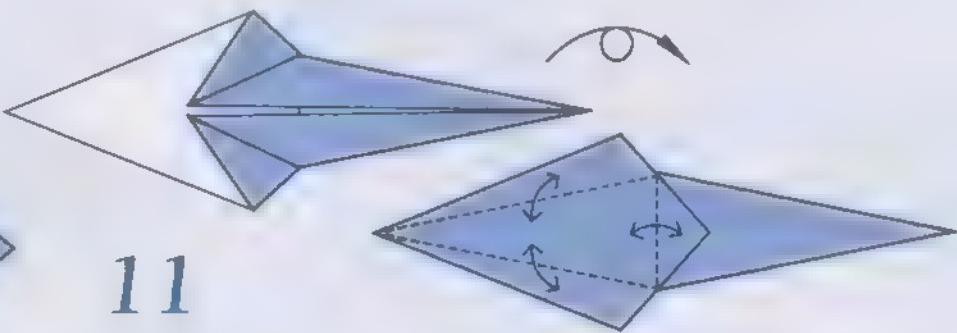
9

Pull in direction of arrow, and fold.



10

Appearance before completion.

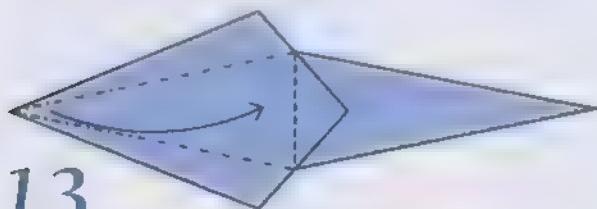


11

Turn over.

12

Valley fold then unfold.



13

Again, pull in direction of arrow, and fold

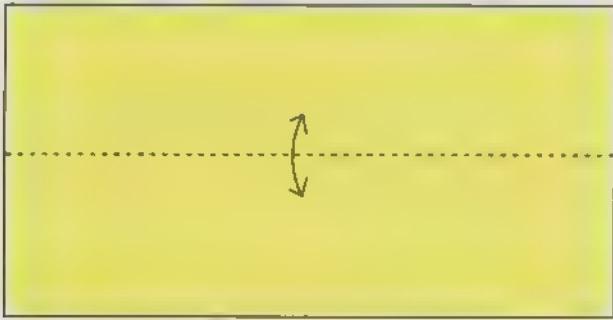
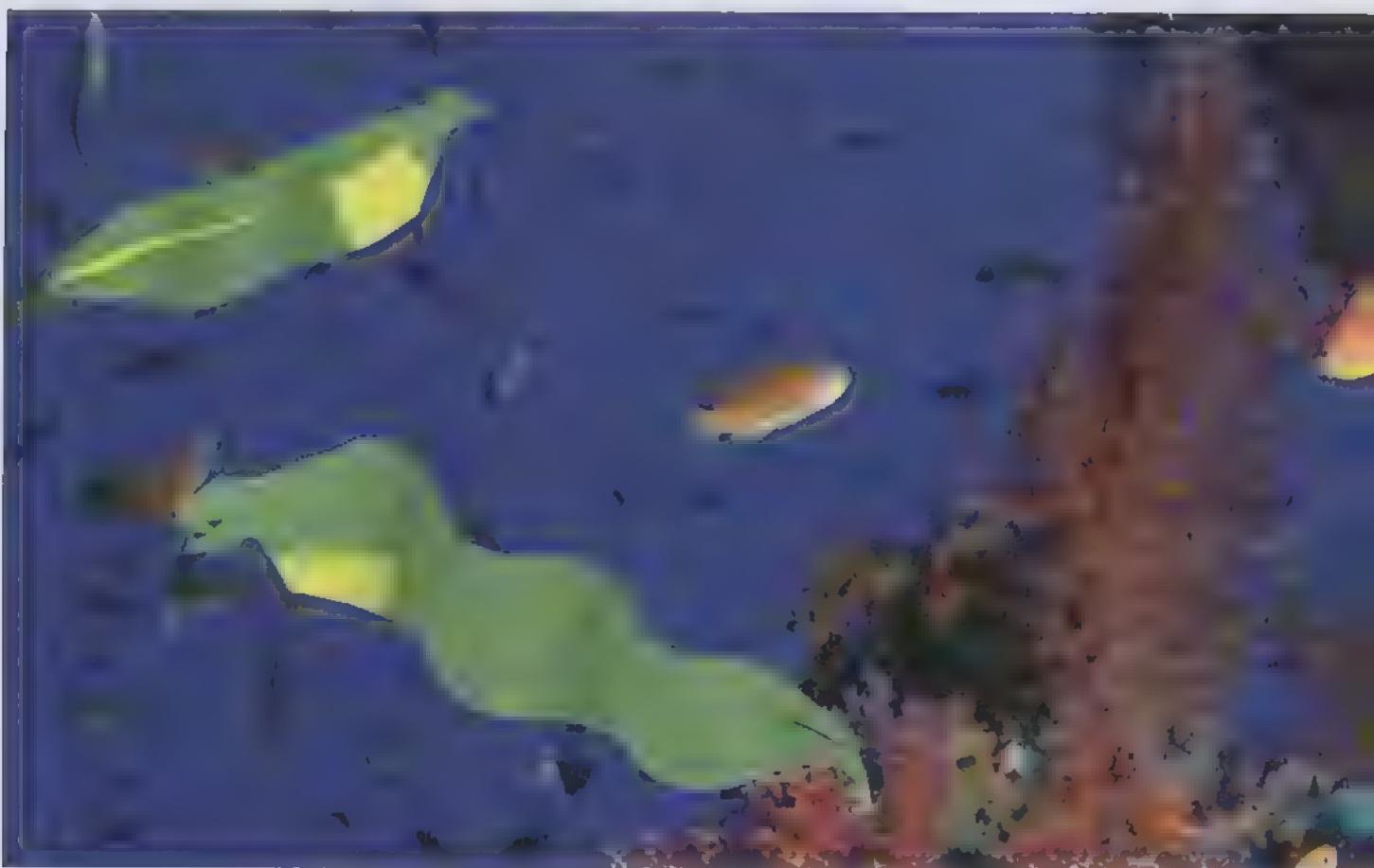


14

Completed Base Fold IV

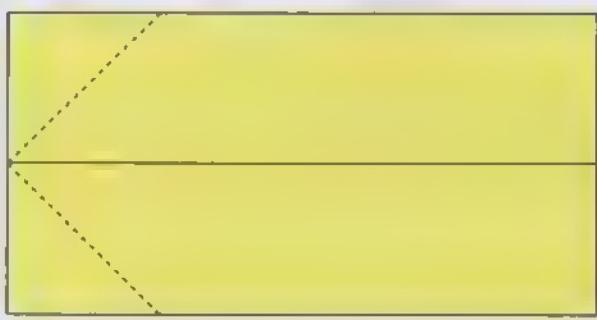


Electric Eel



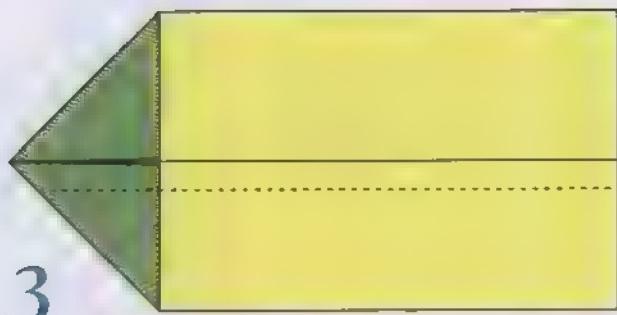
1

Start with a long rectangle (about 4" by 8")
Fold in half and then unfold.



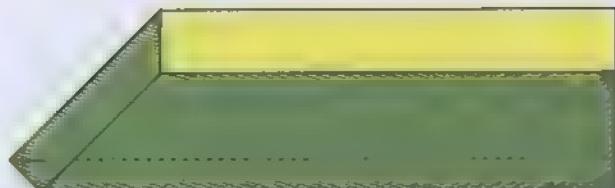
2

Valley folds to center



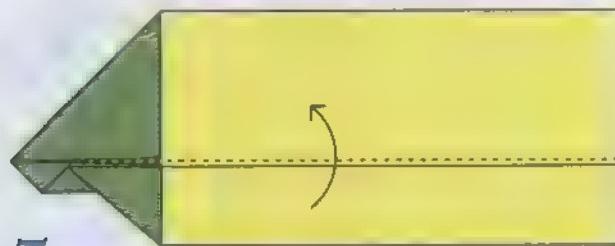
3

Valley fold.



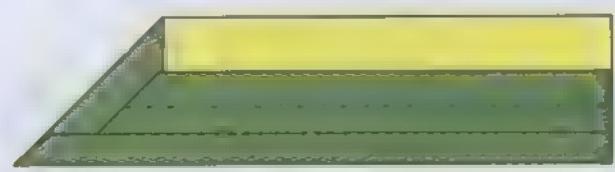
4

Repeat downward.



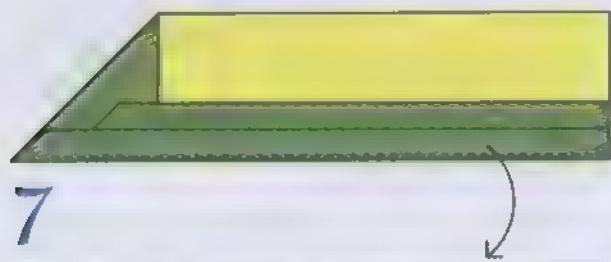
5

Valley fold in half, as shown by arrow



6

Mountain fold. Hide edge inside top layer



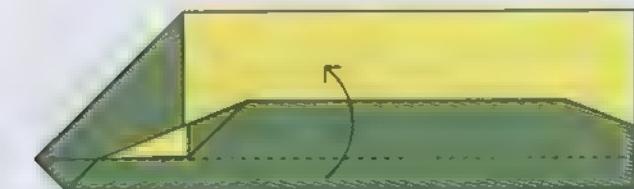
7

Valley fold flap downward



8

Valley fold and mountain fold



9

Valley fold.



10

Turn over to other side.



11

Cut and valley fold.



12

Hide behind front layer.



13

Valley fold.



14

Mountain fold.



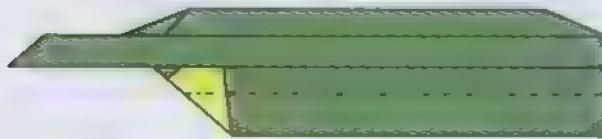
15

Mountain fold.



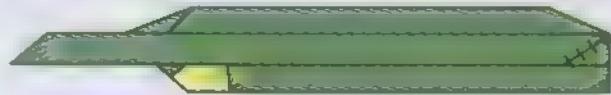
16

Turn over to other side.



17

Mountain fold



18

Cut as shown.



19

Cut as shown.



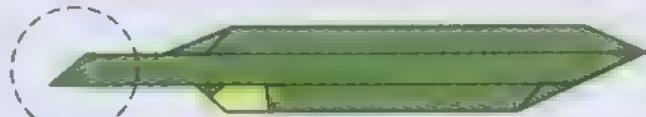
20

Valley fold.



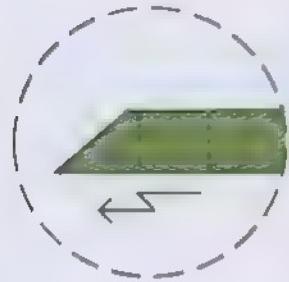
21

Tuck flap behind front layer



22

See close-ups for details



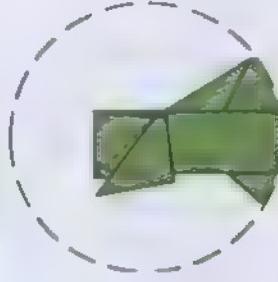
23

Pleat fold



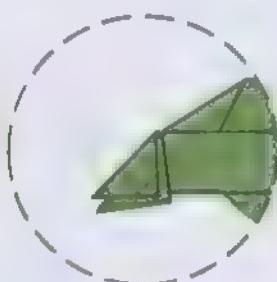
24

Pull and squash
fold.



25

Valley fold both
sides.



26

Repeat valley folds.
Return to full view.



27

Valley fold

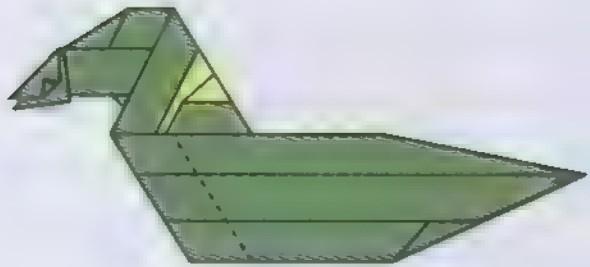
28

Valley fold.



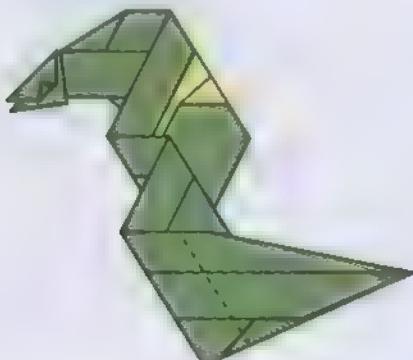
29

Valley fold.



30

Valley fold.



31

Press and pull firmly at the folds to form into curves





32

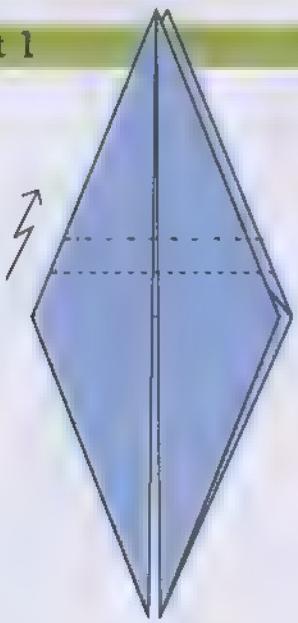
Completed Electric Eel.

Electric Eel

Dolphin

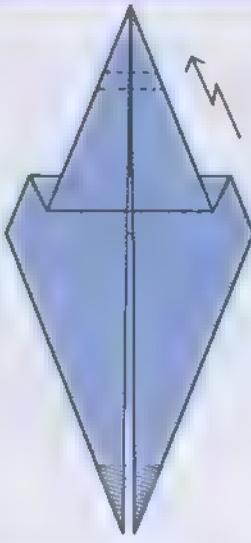


Part 1



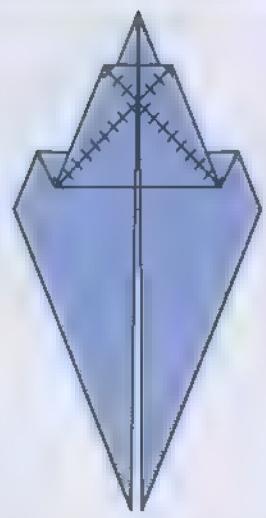
1

Start with Base Fold III
Pleat fold through all layers.



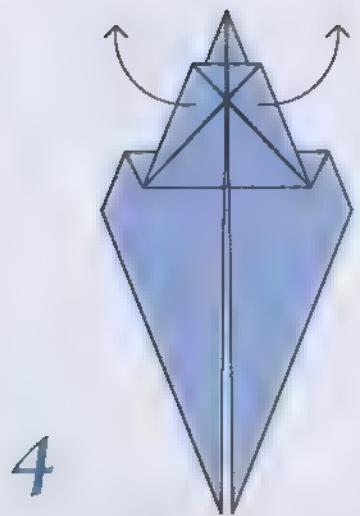
2

Repeat pleat fold through
layers.



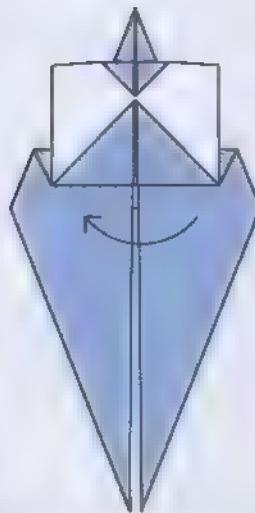
3

Make cuts as shown (to top
layer only)



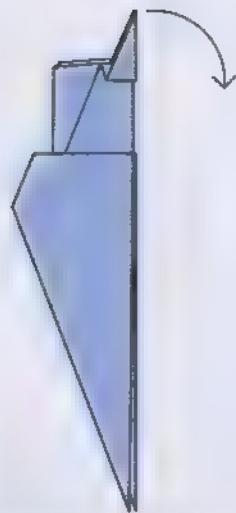
4

Valley folds.



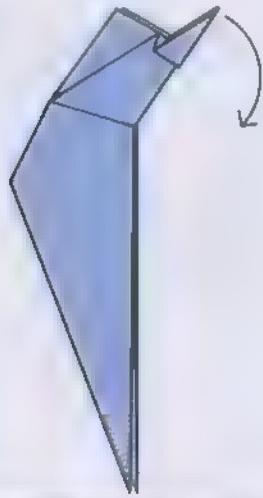
5

Valley fold in half.



6

Pull and crimp fold.



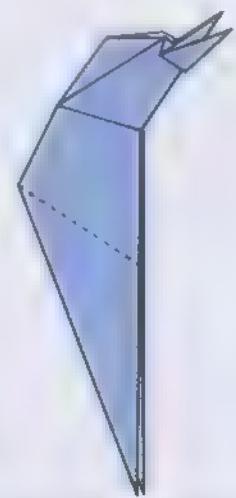
7

Pull and crimp fold.



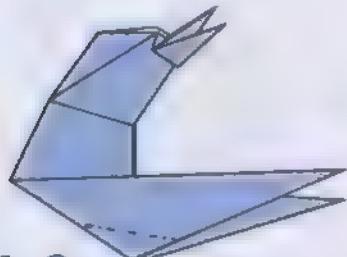
8

Mountain fold.



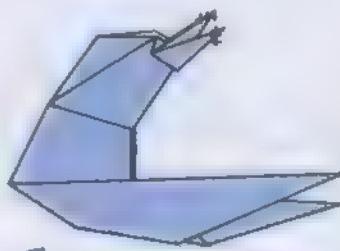
9

Valley folds.



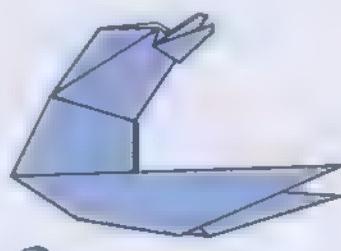
10

Mountain fold both sides



11

Cuts as shown.



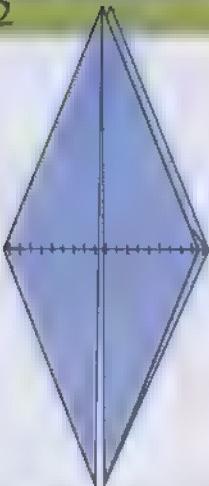
12

Completed part 1 of dolphin

Dolphin

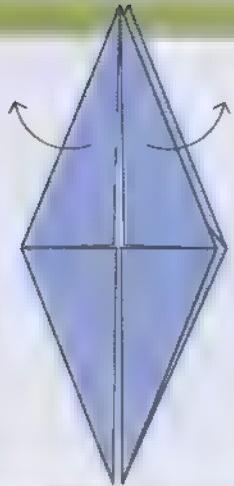
Part 2

1



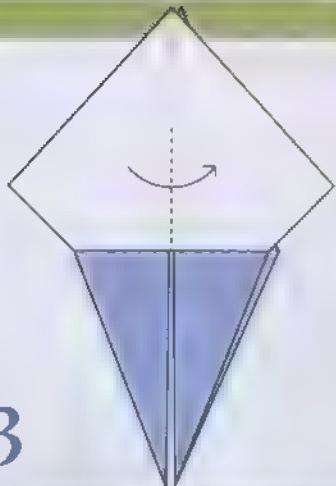
Start with Base Fold III
Cut as shown.

2



Valley folds

3



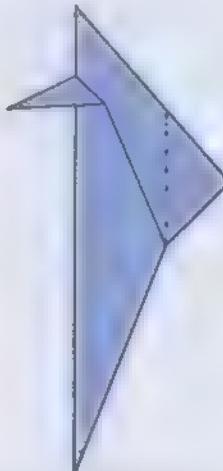
Valley fold in half.

4



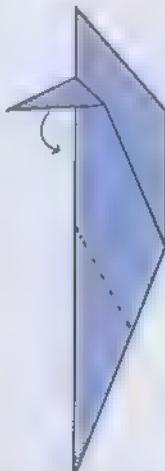
Outside reverse fold

5



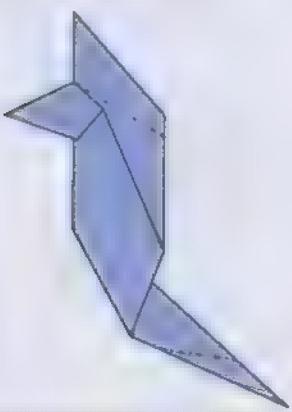
Mountain fold

6



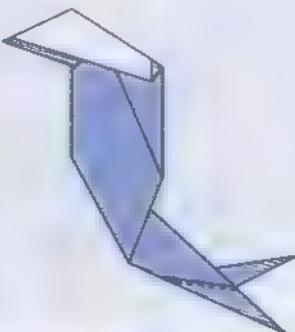
Pull paper outward at top;
mountain fold below.

7



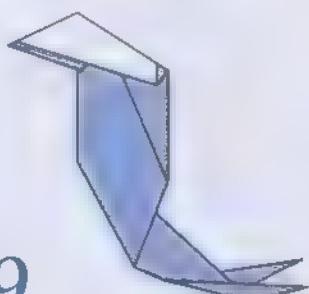
Outside reverse at top
Mountain fold below.

8



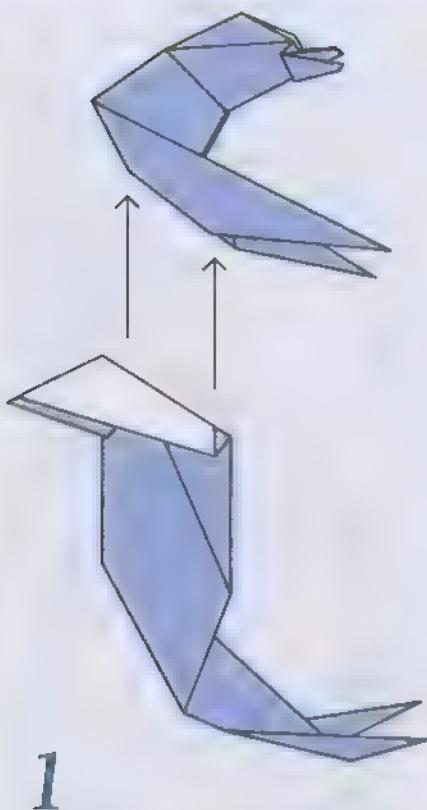
Valley fold and glue into
position.

9



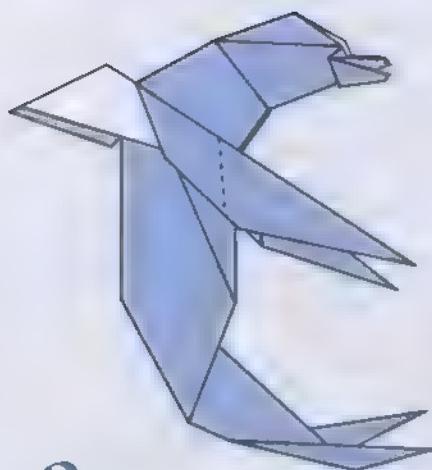
Completed part 2
of dolphin.

To Attach



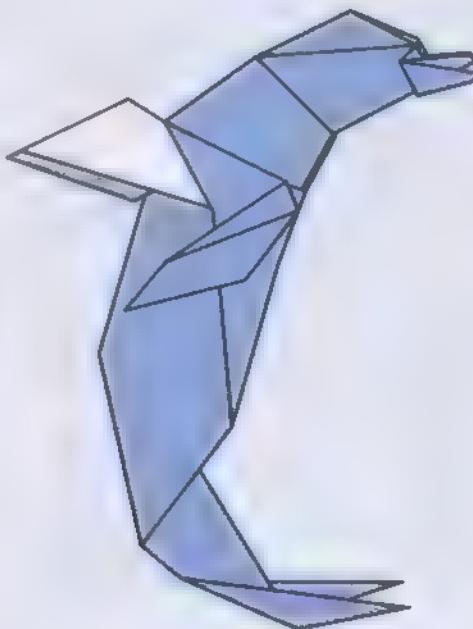
1

Join both parts together
as shown.



2

Valley fold both sides.



3

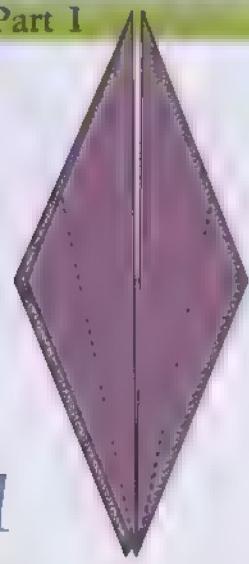
Completed Dolphin

Dolphin

Stingray



Part I



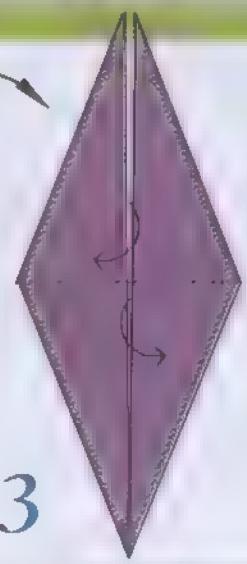
1

Start with Base Fold
III. Valley folds.



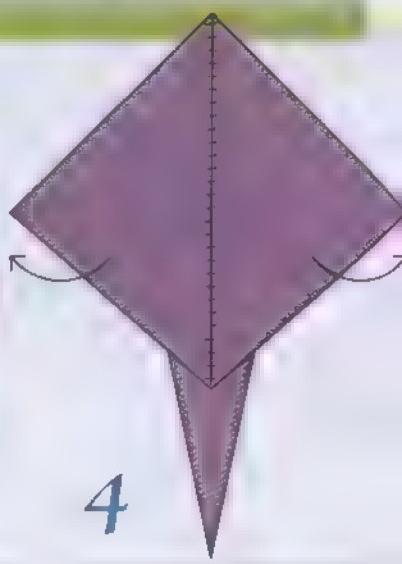
2

Turn over.



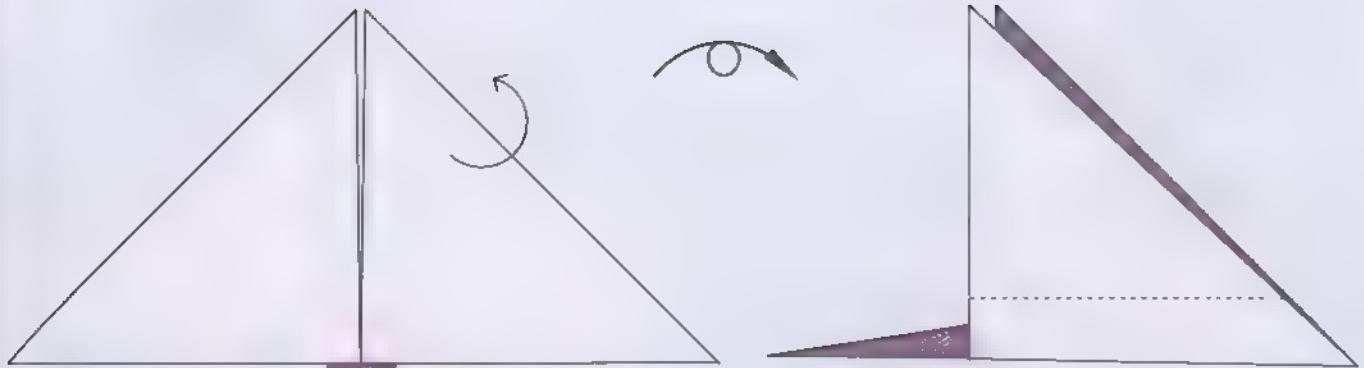
3

Squash fold.



4

Cut as shown.
Valley folds.

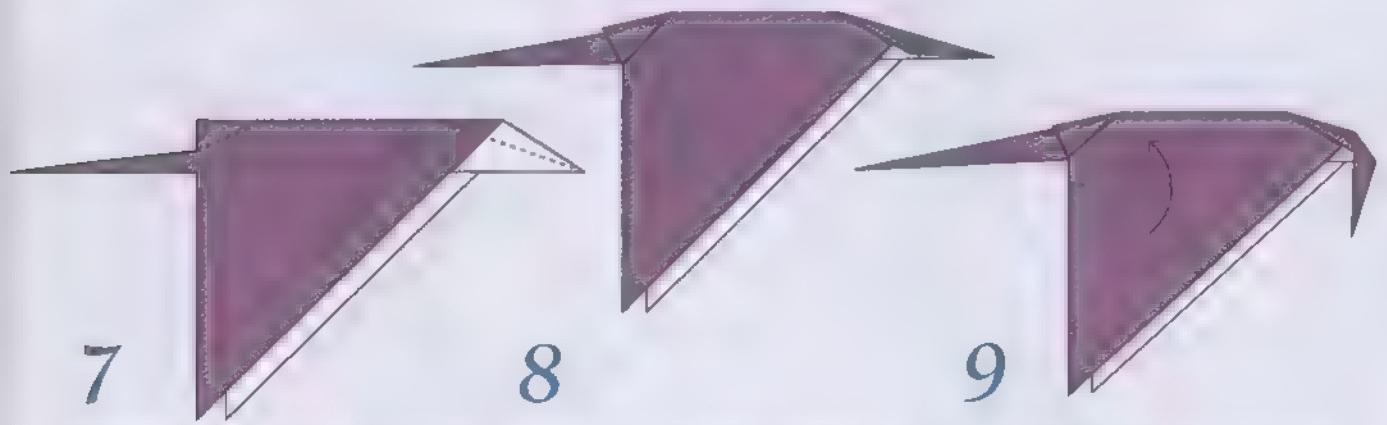


5

Mountain fold in half, then rotate into position of next step.

6

Valley fold both front and back



7

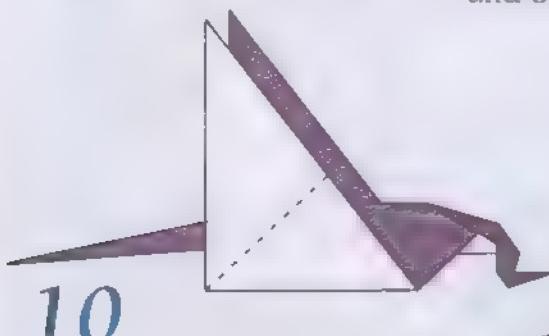
Valley folds to both sides

8

Valley fold both front and back.

9

Valley and mountain folds.

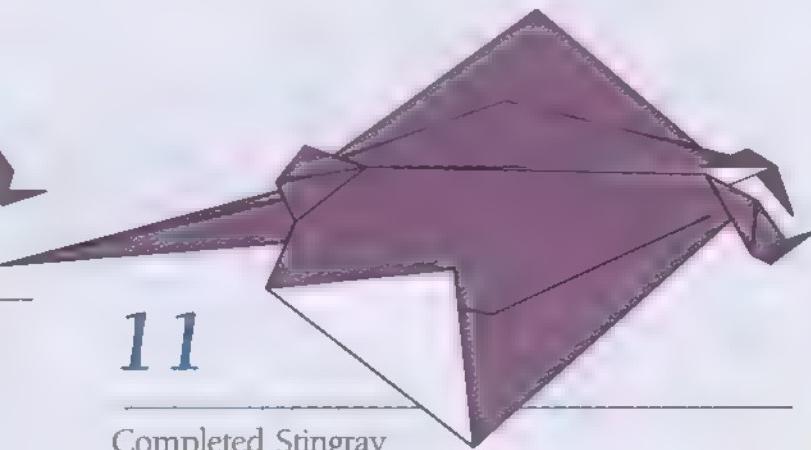


10

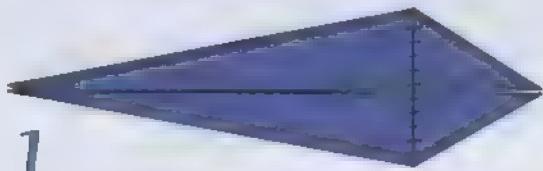
Mountain fold both sides.
Apply glue to center of form.

11

Completed Stingray



Walrus



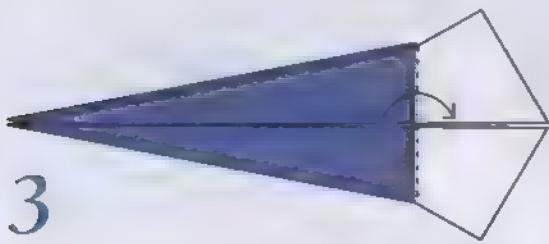
1

Start with Base Fold IV. Make cut as shown.



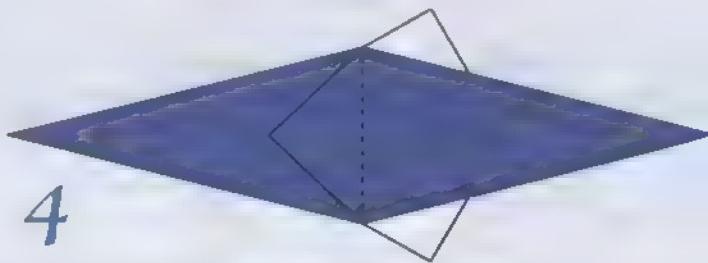
2

Valley fold cut parts



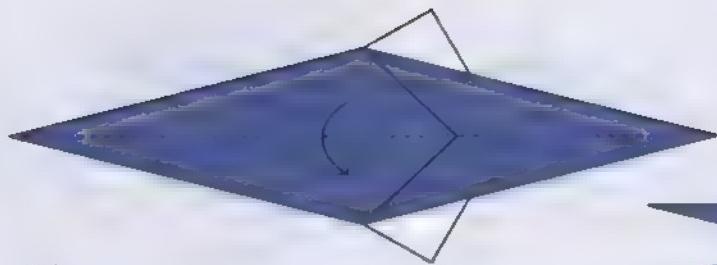
3

Valley fold.



4

Valley fold.



5

Valley fold in half.



6

Cut both front and back.



7

Valley fold both front and back



8

Valley fold both front and back



9

Mountain folds both front and back.



10

Inside reverse fold.



11

Cut as shown.



12

Inside reverse folds

13



Inside reverse folds and squash folds

14



Mountain fold both front and back

15



Cut top layer as shown.

16



Valley fold cut part

17



Mountain fold both sides

18



Mountain folds front and back. Cut edge as shown.

19



Outside reverse fold

20



Outside reverse fold.

21



See close ups for detail



22

Inside reverse fold



23

Valley folds



24

Mountain folds



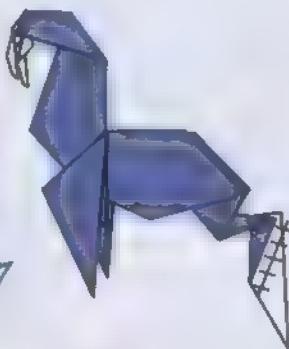
25

Cuts as shown



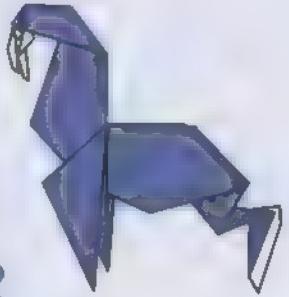
26

Return to full view.



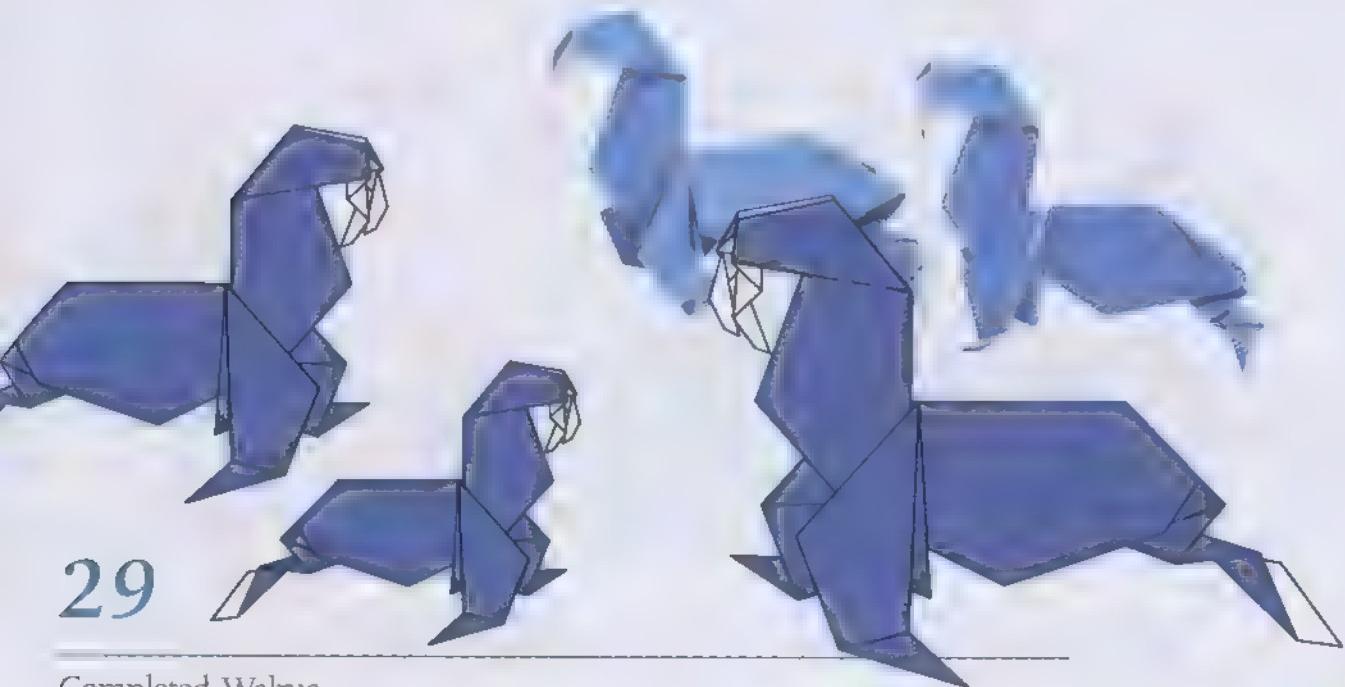
27

Cut as shown, both sides



28

Valley folds both front and back



29

Completed Walrus.

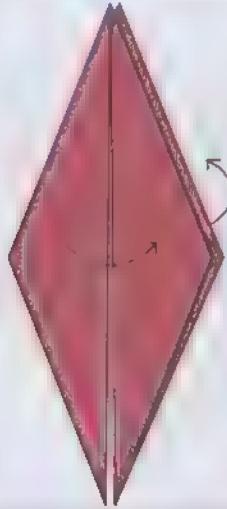
Walrus

Hammerhead Shark



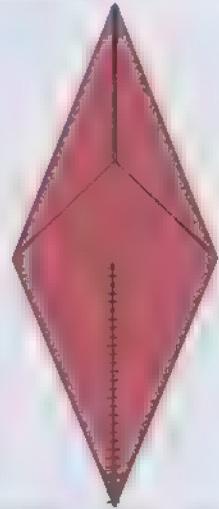
Hammerhead Shark

1



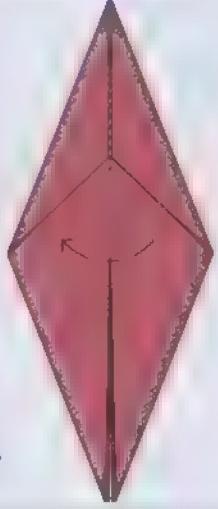
Start with Base Fold III. Valley one flap and repeat behind.

2



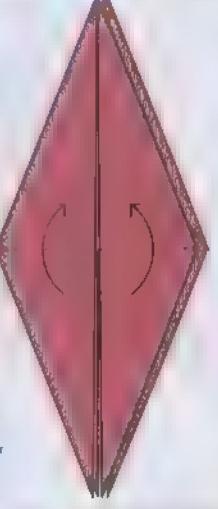
Cut as shown front and back.

3



Valley fold flap back again. Repeat behind.

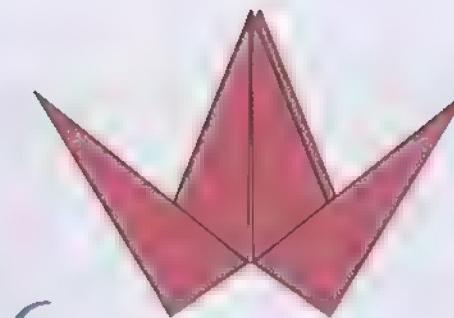
4



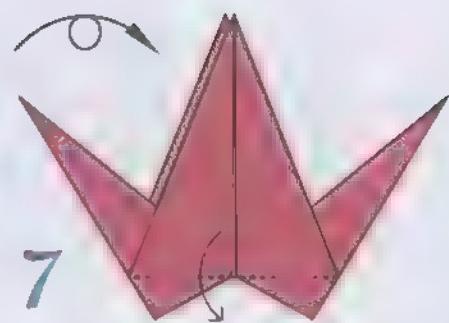
Valley folds upward



Valley
folds



Turn over to other side.



Valley fold.



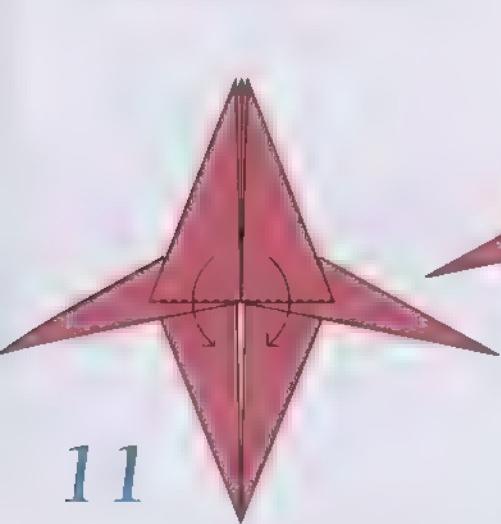
Turn over to other side



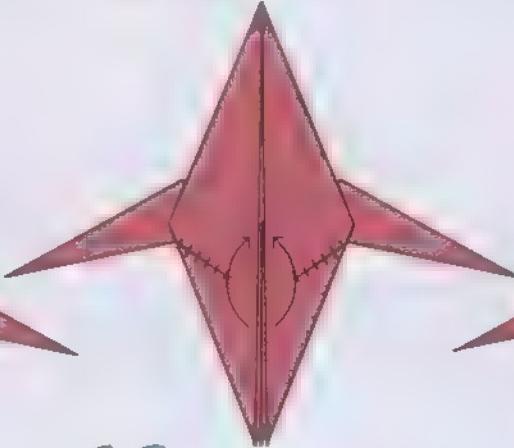
Valley folds



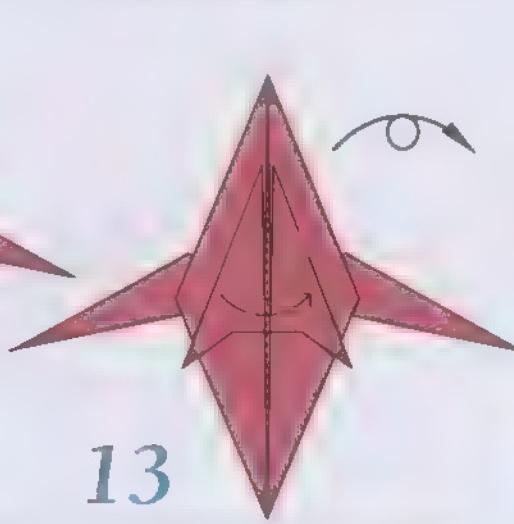
Pull inner layer out



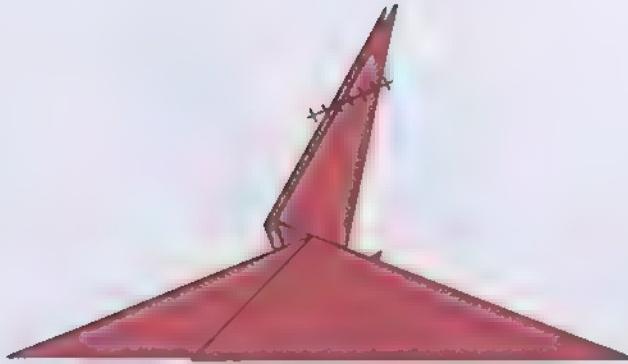
Valley folds



Make cuts, then valley fold

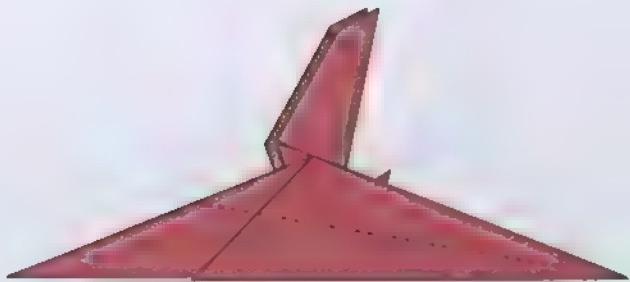


Valley fold in half Rotate



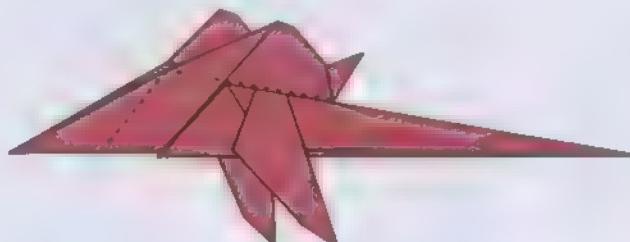
14

Cuts as shown.



15

Valley folds both front and back.



16

Outside reverse fold. Valley fold.



17

Cut edge as shown.



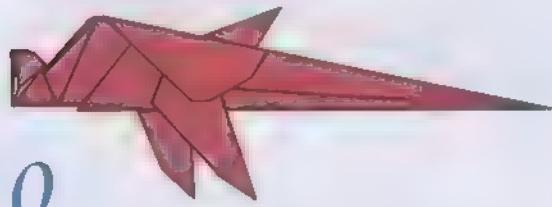
18

Valley fold both front and back



19

Squash fold both front and back



20

Valley fold sides outward to balance



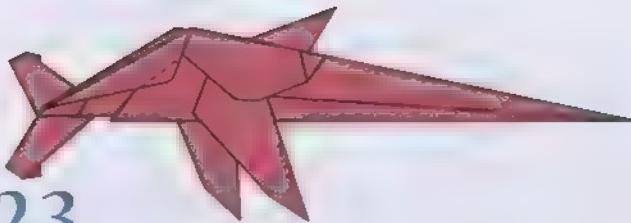
21

Make cut as shown



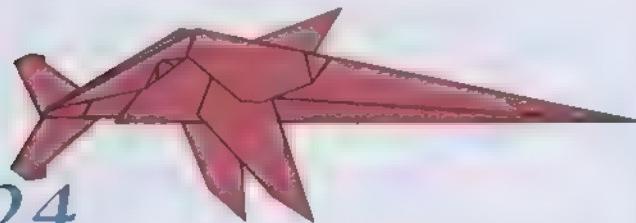
22

Valley folds both front and back



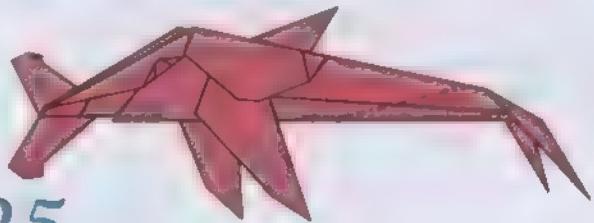
23

Valley folds both front and back



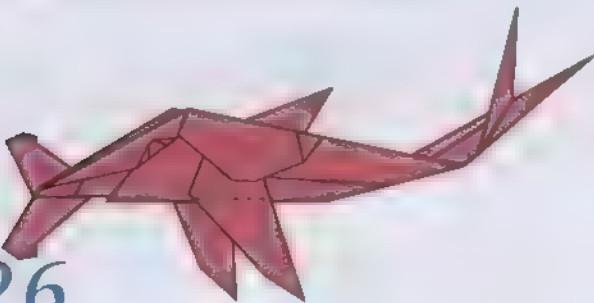
24

Valley folds both front and back



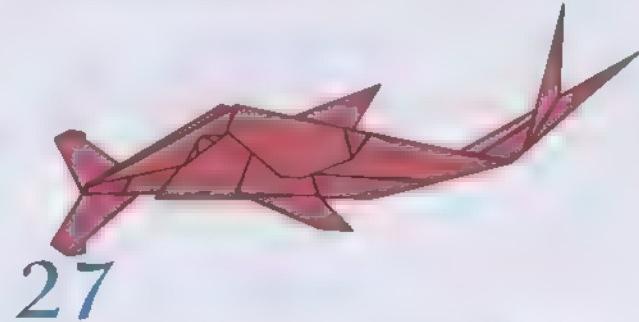
25

Mountain fold



26

Valley fold both sides position to balance



27

Adjust tail, fins and head to balance



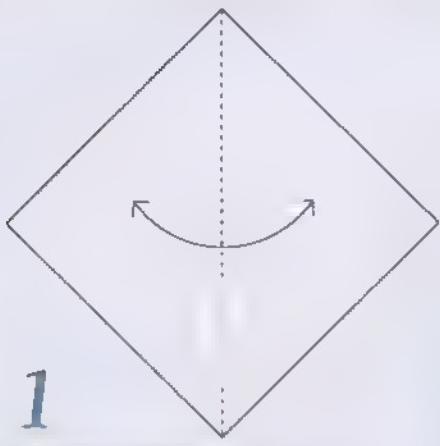
28

Completed Hammerhead Shark.

Horseshoe Crab

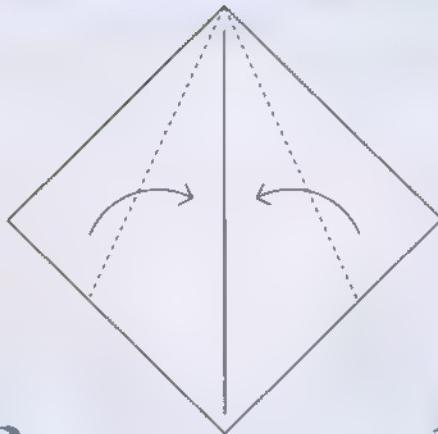


Horseshoe Crab



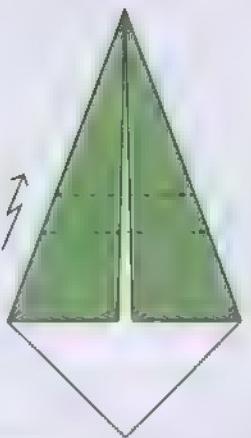
1

Start with square Valley
fold and unfold.



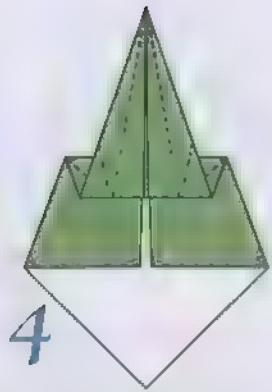
2

Fold both sides inward



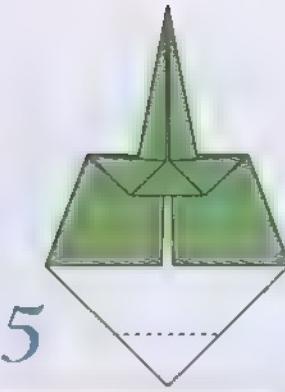
3

Pleat fold



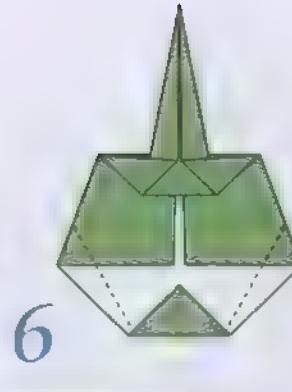
4

Squash folds.



5

Valley fold.



6

Valley folds.



7

Valley folds.



8

Turn over.



9

Valley fold.



10

Mountain fold
in half.



11

Rotate.



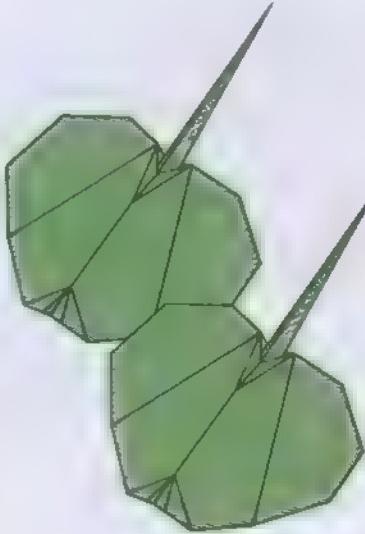
12

Crimp fold.



13

Mountain folds
both sides



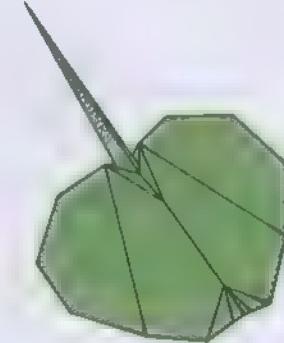
14

Valley fold
and unfold



15

Unfold to flatten.



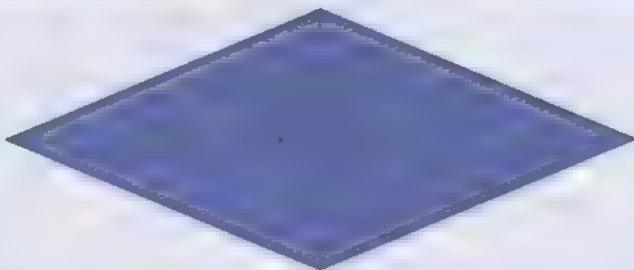
16

Completed
Horseshoe Crab.

Angelfish

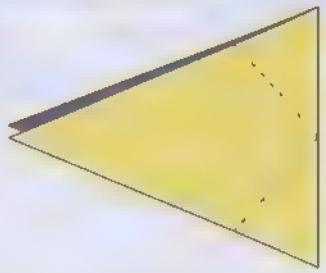


1



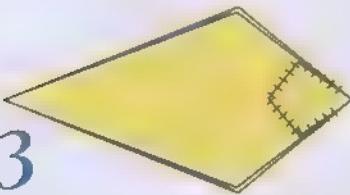
Start with Step 5 (diamond shape) of Base Fold IV.
Valley fold in half.

2



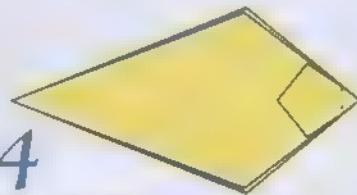
Inside reverse fold

3



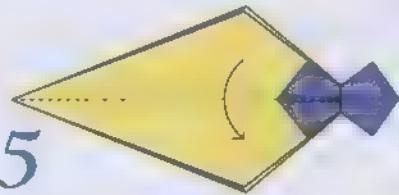
Cuts to front layer only

4

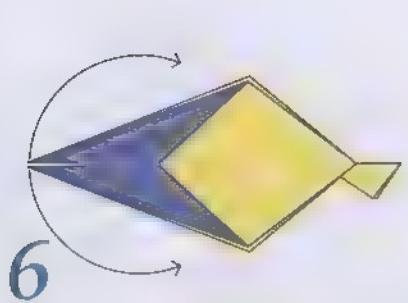


Valley fold cut parts

5

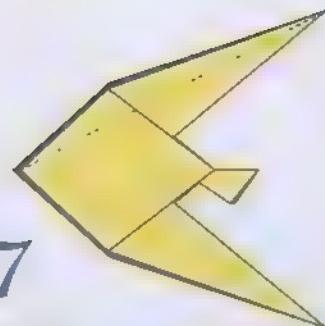


Valley fold front and back



6

Inside reverse folds



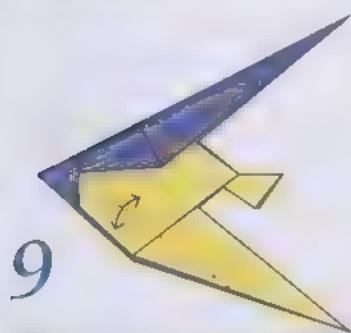
7

Valley fold front and back



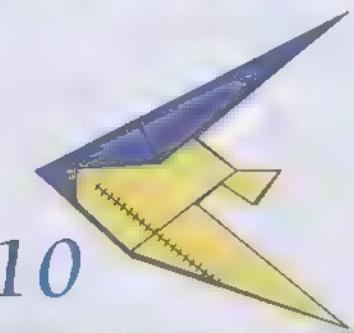
8

Mountain fold layer inward



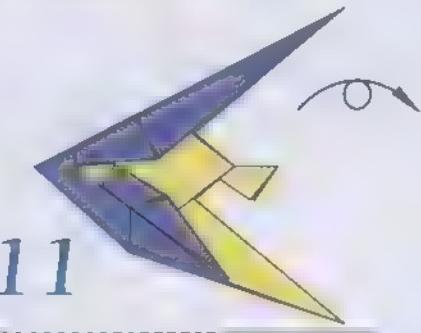
9

Valley fold layer and unfold



10

Cut along crease. Valley fold



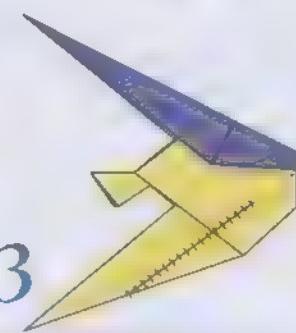
11

Turn over to other side



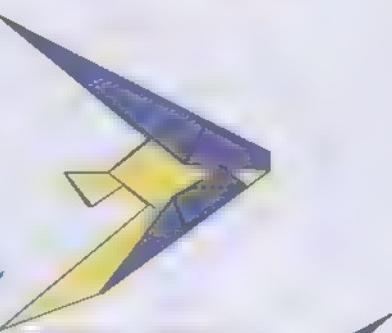
12

Mountain fold



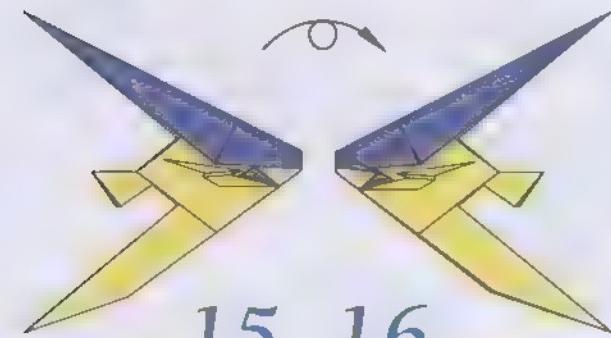
13

Cut as shown, valley fold



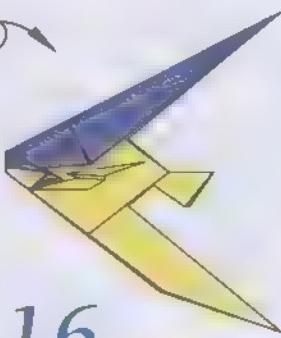
14

Valley fold both side fins outward



15

Turn over.

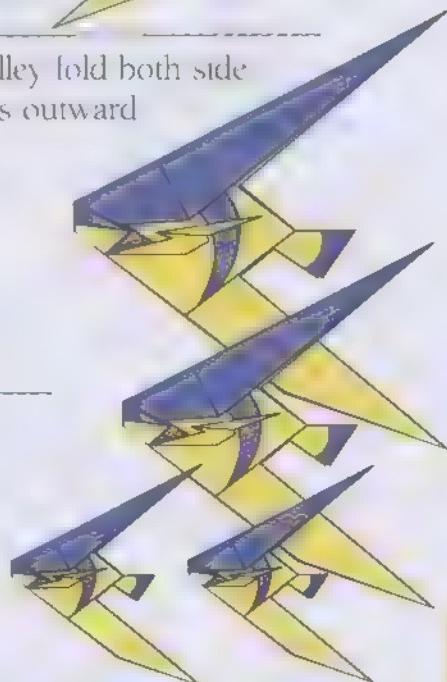


16

Add color.

17

Completed
Angelfish.

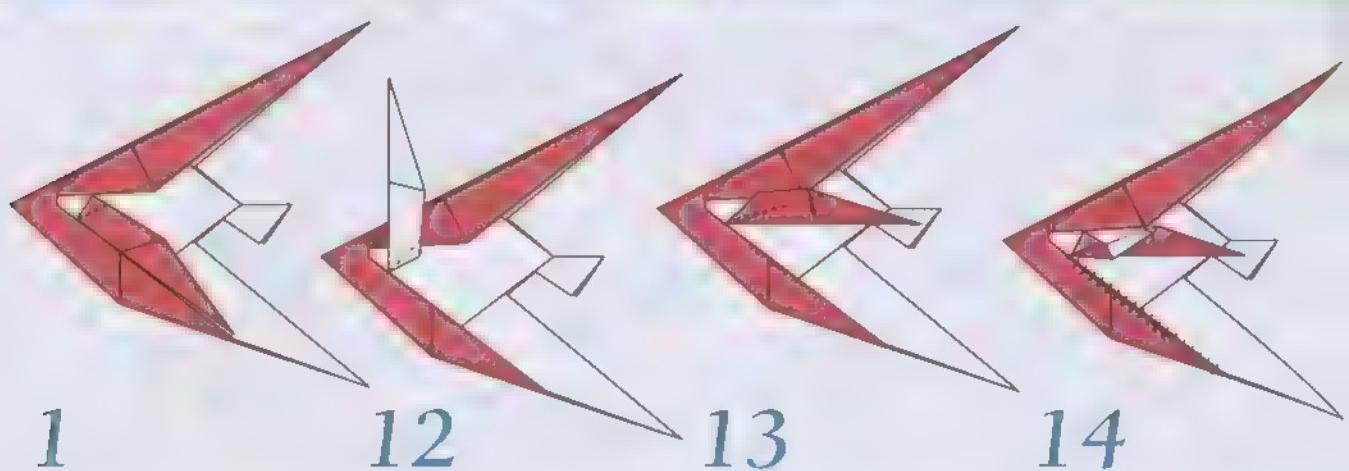


Angelfish

Lionfish



Lionfish

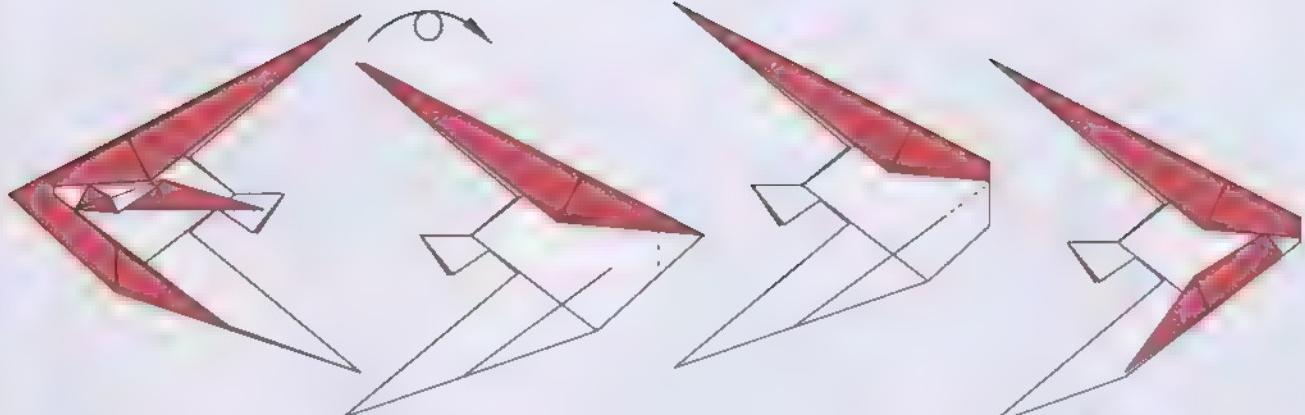


Start with Step 11
of Angelfish (page
39). Valley fold.

Valley fold

Valley fold

Cut as shown



15

16

17

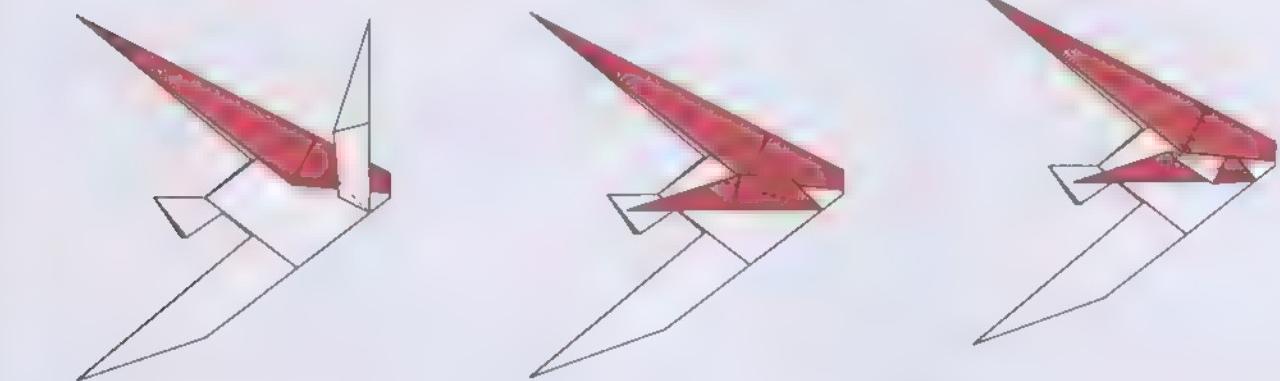
18

Turn to other side.

Mountain fold and
glue to hold.

Valley fold.

Valley fold.



19

20

21

Valley fold.

Valley fold.

Cut top layer as shown.



22

Valley unfold both front and back.

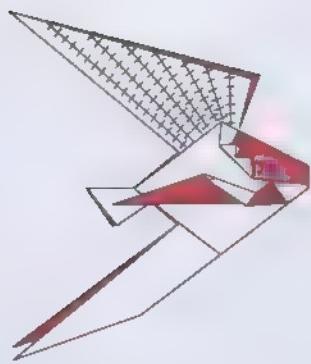
23

Valley fold both sides



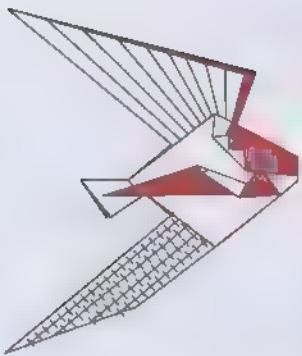
24

Valley folds front and back.



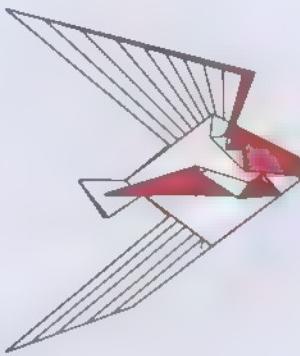
25

Cut as shown to both sides.



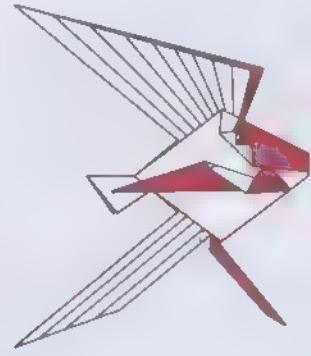
26

Repeat cuts, to lower section.



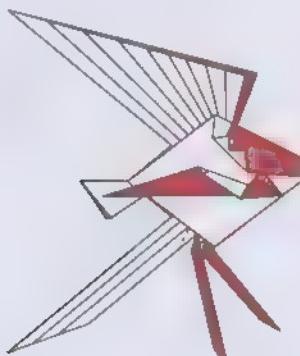
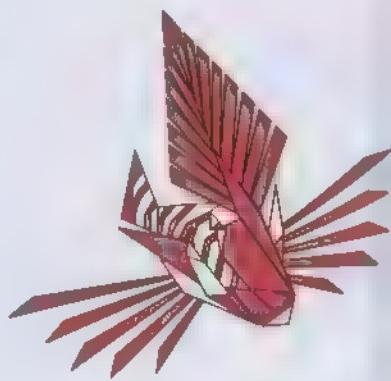
27

Valley fold front and back.



28

Repeat.



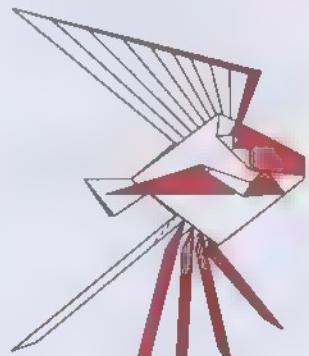
29

Repeat.



30

Repeat.



31

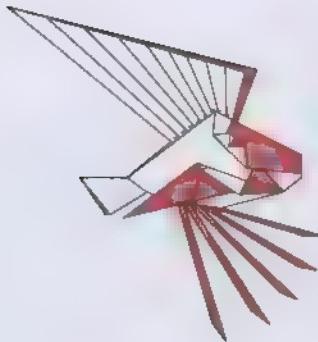
Repeat.

32



Valley fold side fins loosely to extend

33



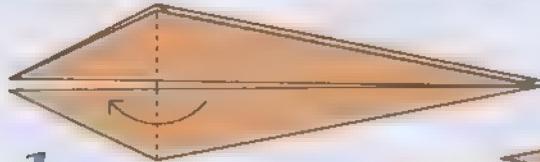
Loosely valley fold at top also, both sides
Add any color and patterning wanted.

34



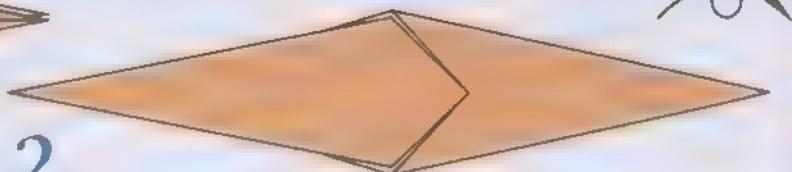
Completed Lionfish.

Seahorse



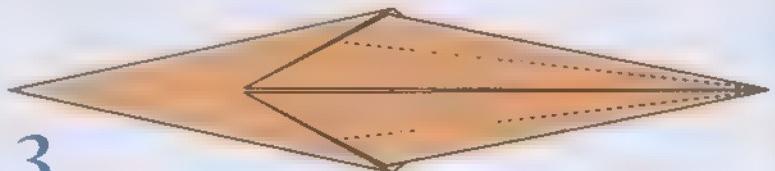
1

Start with Base Fold IV.
Valley fold.



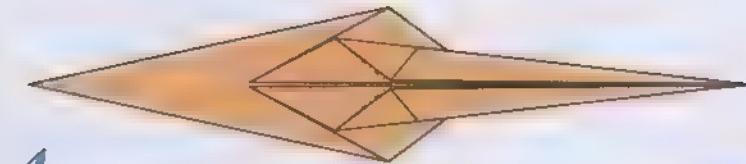
2

Turn over to other side



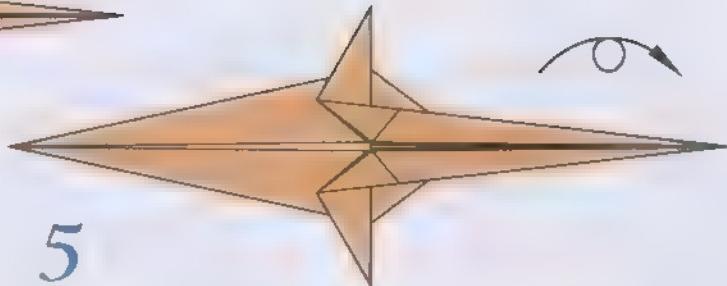
3

Valley fold both sides.



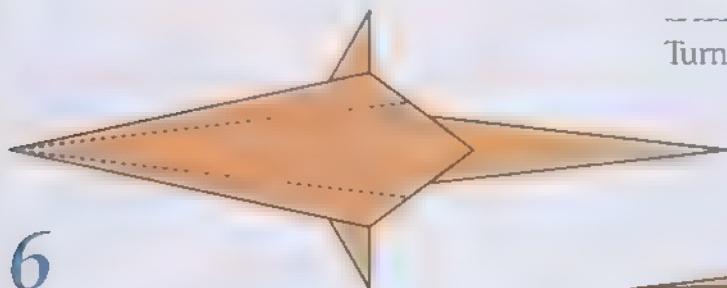
4

Inside reverse fold.



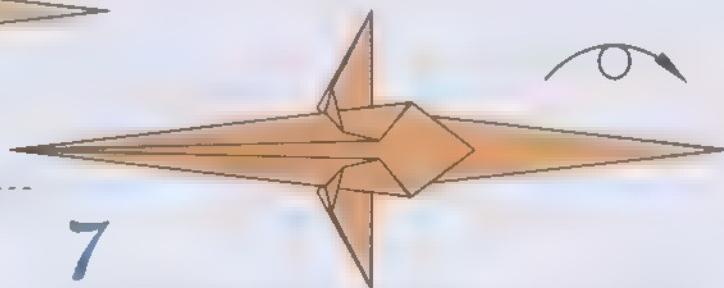
5

Turn over to other side.



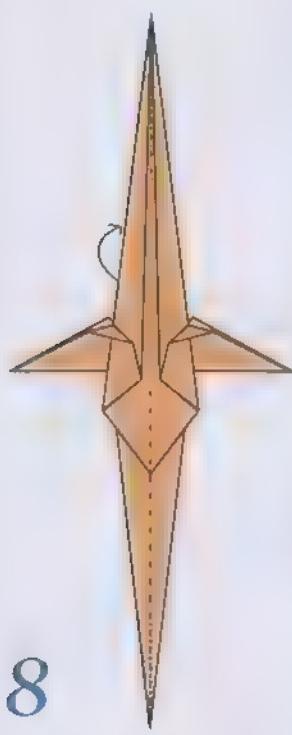
6

Valley folds and squash folds.



7

Rotate.



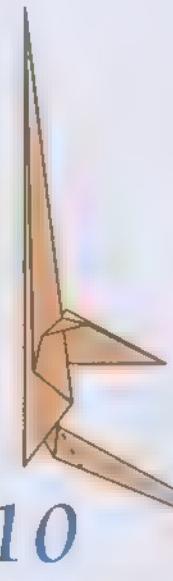
8

Mountain fold in
half



9

Inside reverse fold



10

Inside reverse fold



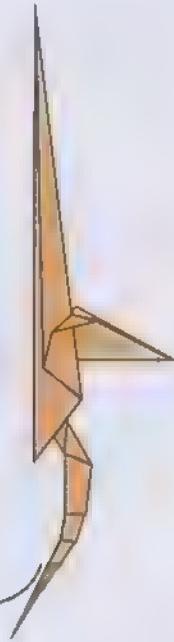
11

Valley open

Seahorse

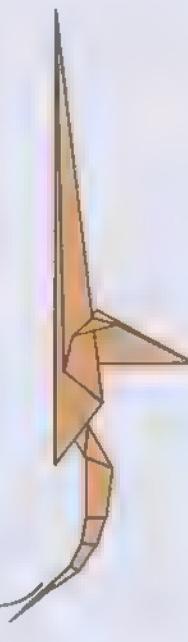
12

Pleat folds



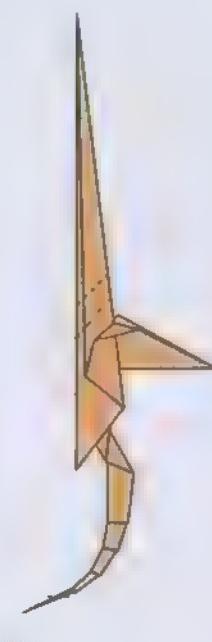
13

Valley fold in half



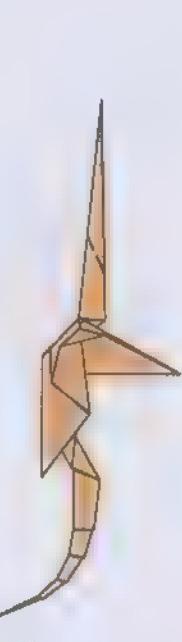
14

Pull and crimp slightly.



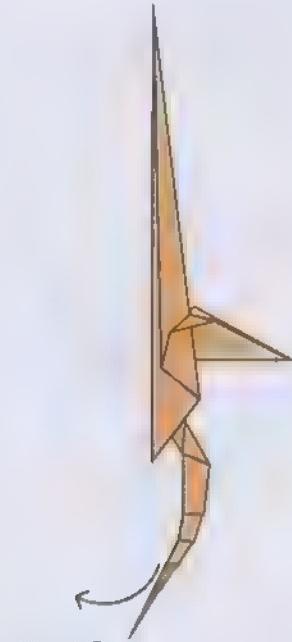
15

Repeat



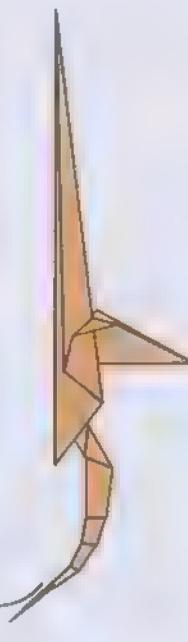
16

Repeat



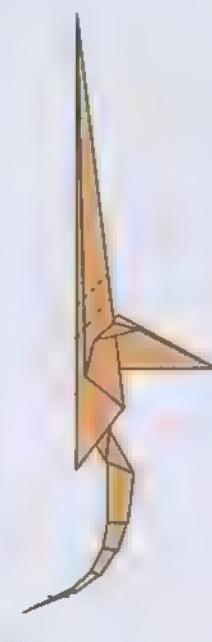
17

Repeat once more



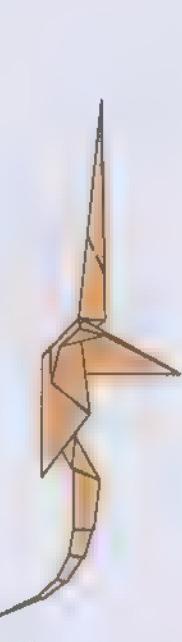
18

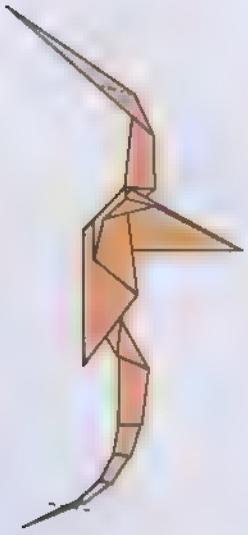
Crimp fold



19

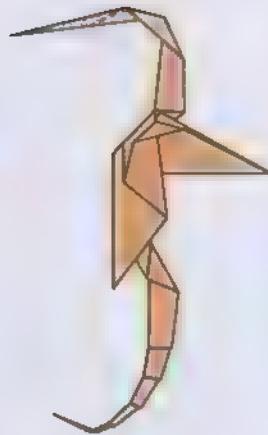
Outside reverse fold





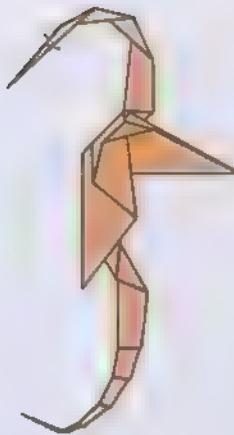
20

Inside and outside
reverse folds.



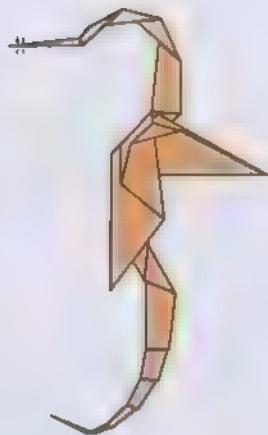
21

Valley fold both
sides.



22

Pleat fold and crimp
into position.



23

Outside reverse
folds.



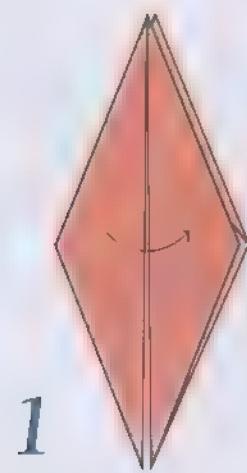
24

Inside reverse fold

25

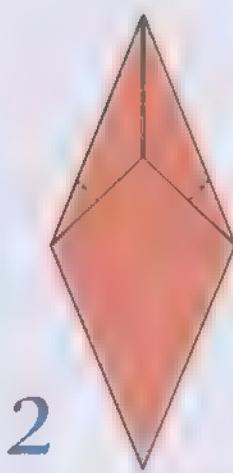
Completed Seahorse.

Flying Fish



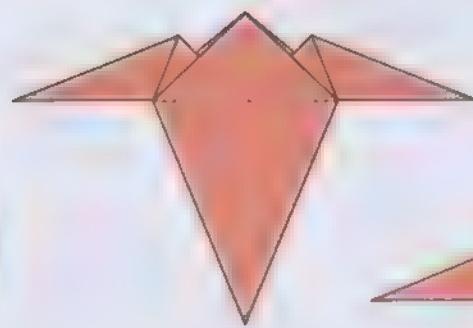
1

Start with Base
Fold III. Valley
folds



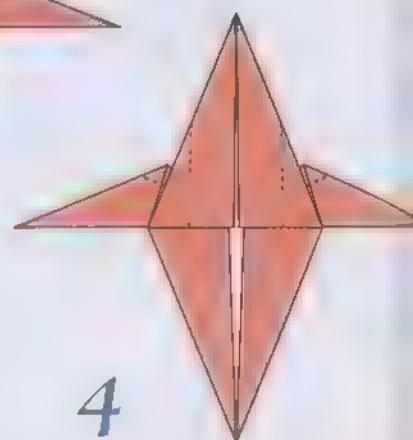
2

Inside reverse
folds.



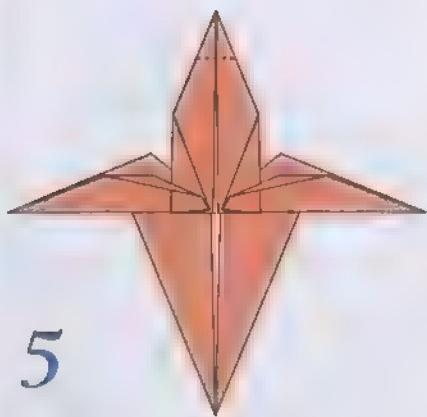
3

Valley fold.



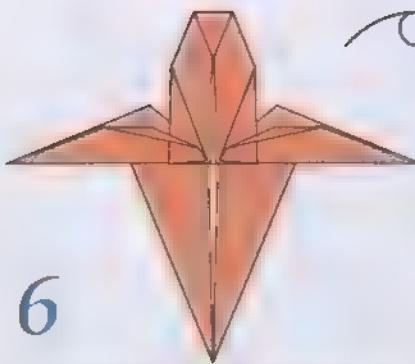
4

Valley folds. Squash
at same time.



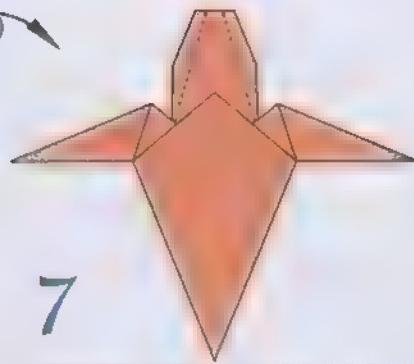
5

Valley fold.



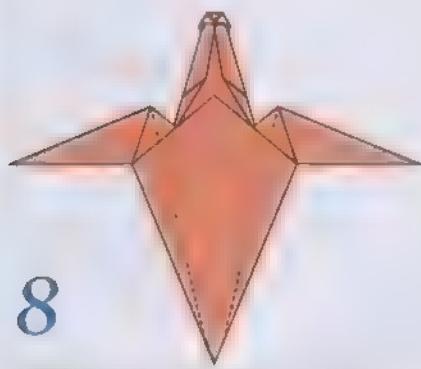
6

Turn over to other side.



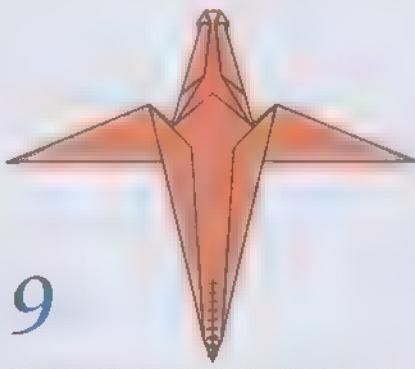
7

Valley folds.



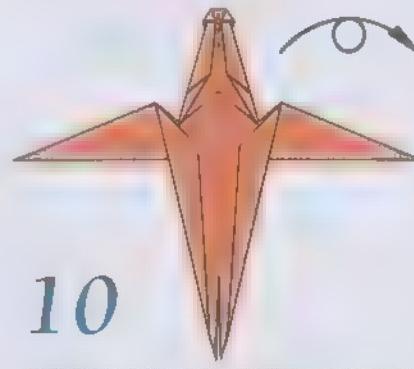
8

Valley folds



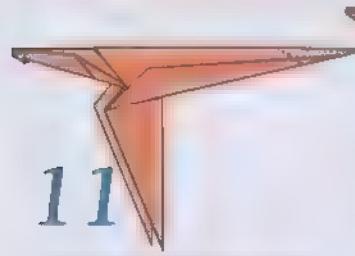
9

Cut as shown



10

Mountain fold in half then
rotate



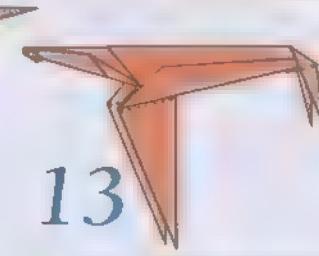
11

Mountain fold



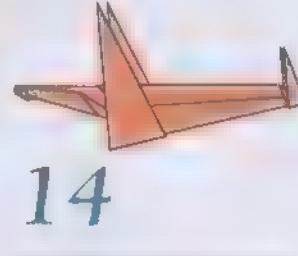
12

Valley fold



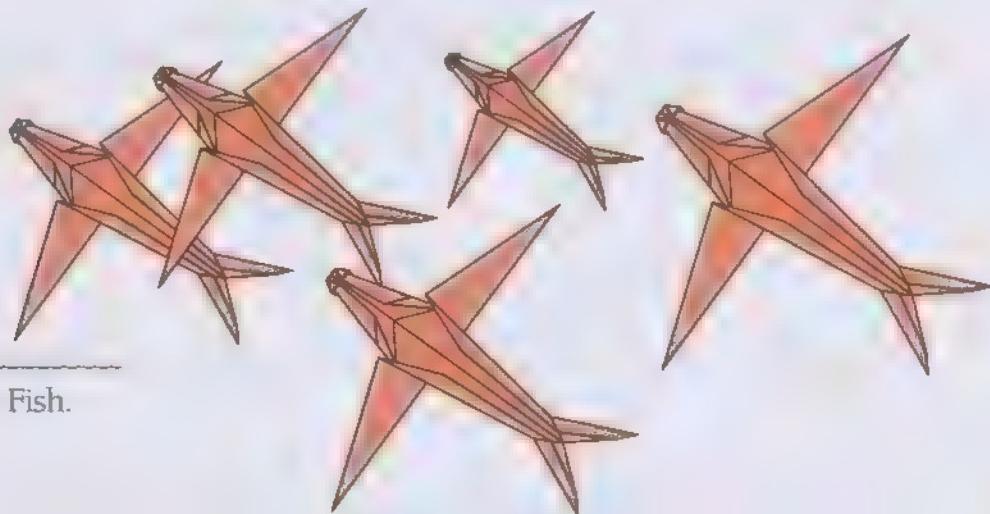
13

Valley folds



14

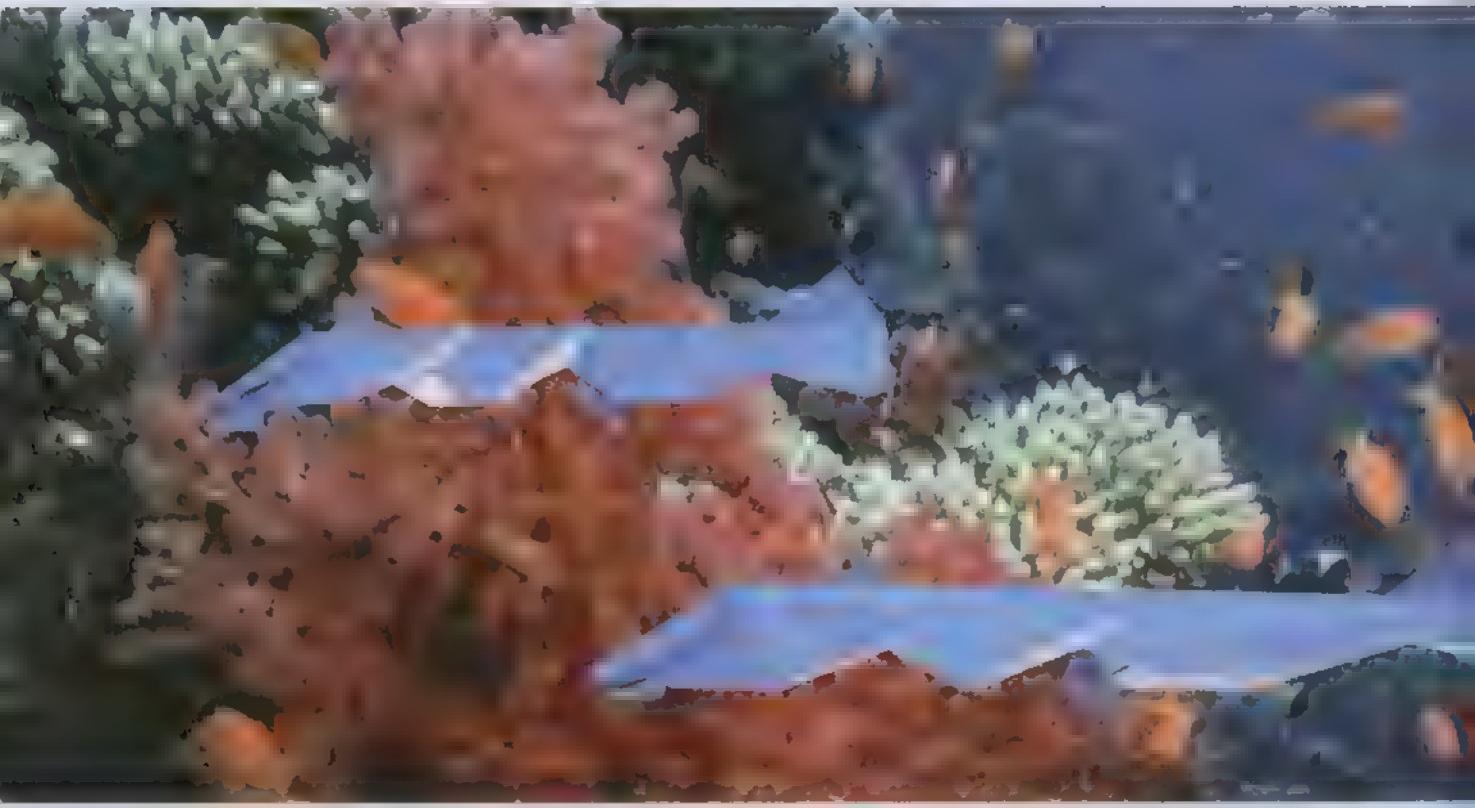
Open and flatten



15

Completed Flying Fish.

Barracuda



1

Start with rectangular paper
(about 3.5" by 11") and
valley fold



2

Make cuts as shown



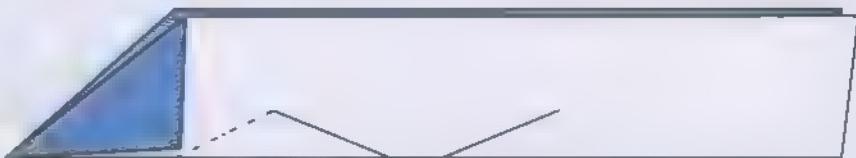
3

Valley fold both sides.



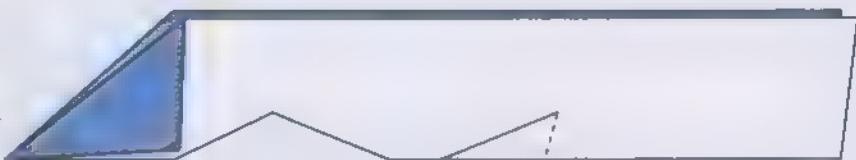
4

Inside reverse fold.



5

Outside reverse fold.



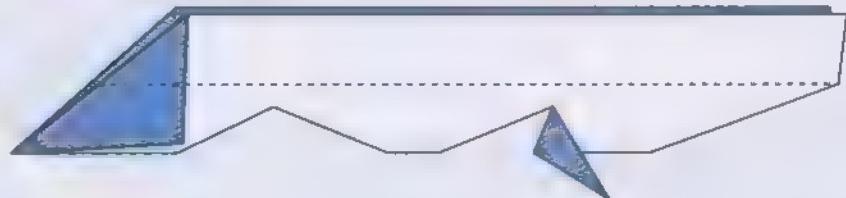
6

Inside reverse fold.



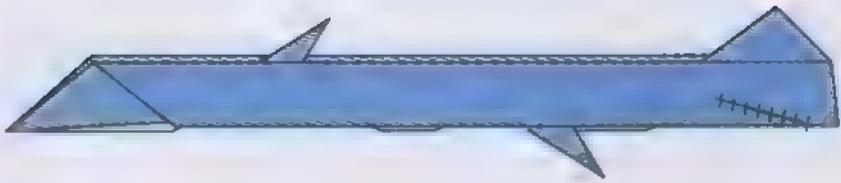
7

Valley fold both sides.



8

Cut as shown.



9

Mountain fold both sides.



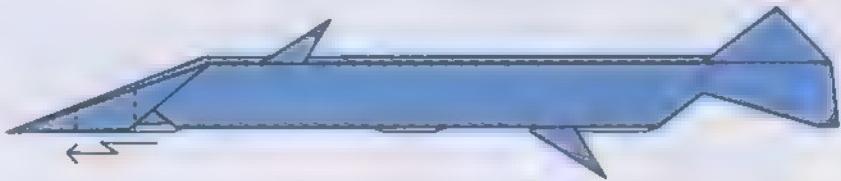
10

Valley fold both sides.



11

Pleat fold.



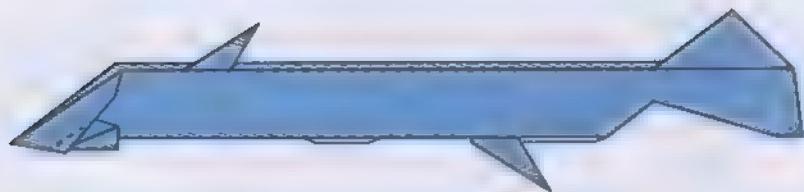
12

Valley fold both sides.



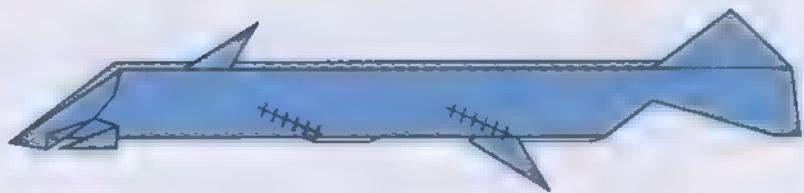
13

Valley fold both sides.



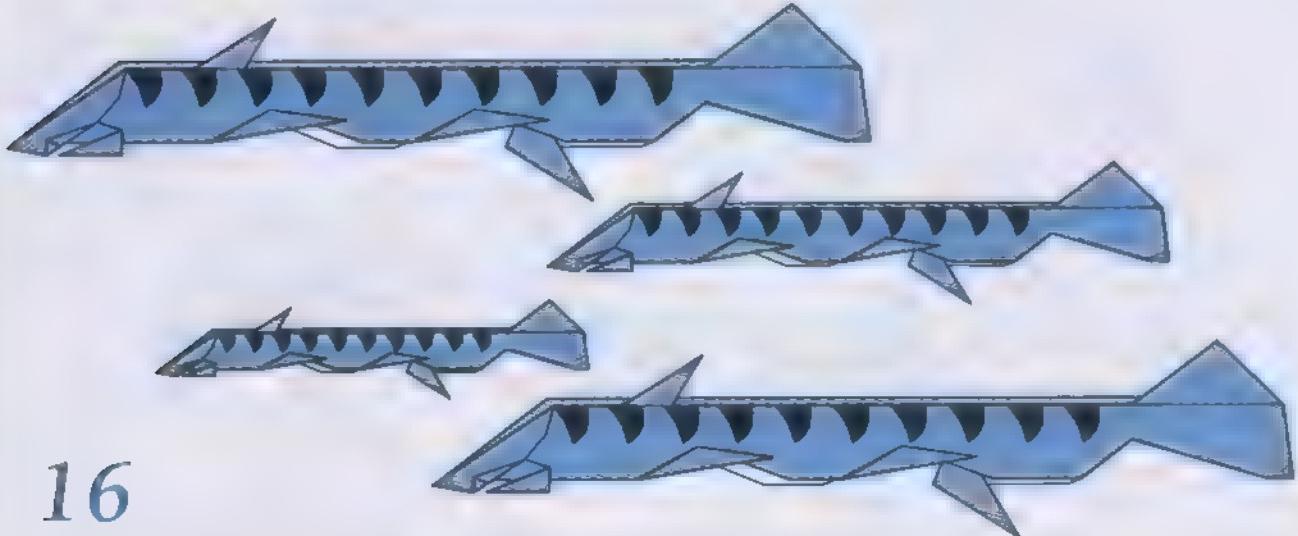
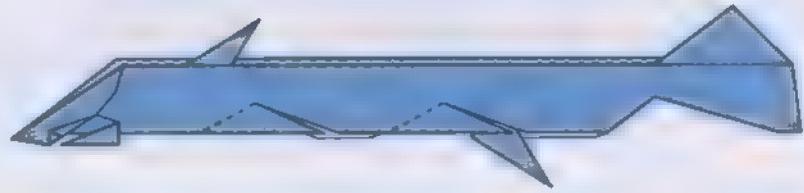
14

Make cuts to both sides.



15

Valley folds both sides.
Add coloring if wanted.



16

Completed Barracuda.

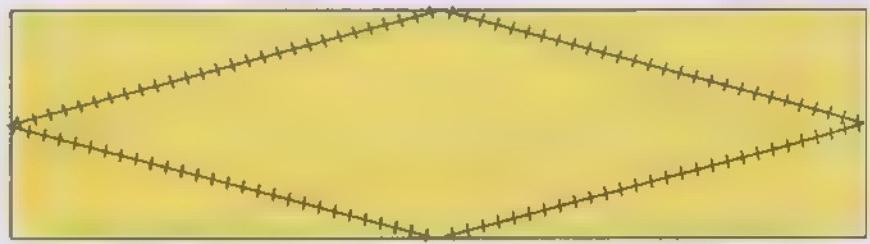
Barracuda

Baby Tiger Shark



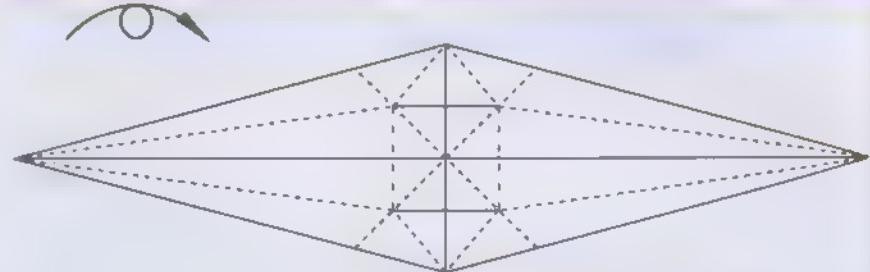
1

Cut rectangular paper
(about 4" by 11") into
diamond shape (see
page 14). Turn over



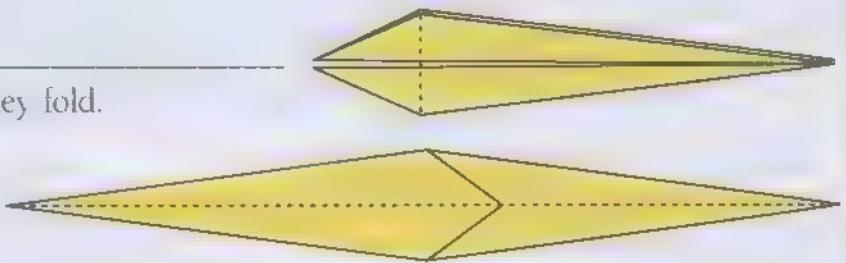
2

Continue folding into
Base Fold IV.



3

Valley fold.



4

Fold in half

5

Valley fold both sides.



6

Inside reverse fold



7

Valley fold both front and back



8

Valley fold both sides



9

Inside reverse fold.



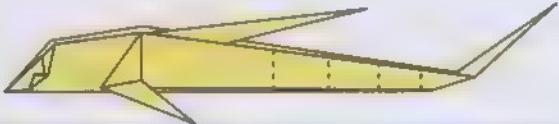
10

Valley fold both front and back.



11

Valley fold and unfold to crease.



12

Pull and press creased lines to form a natural body curve.



13

Completed Baby Tiger Shark.

Humpback Whale



Part 1

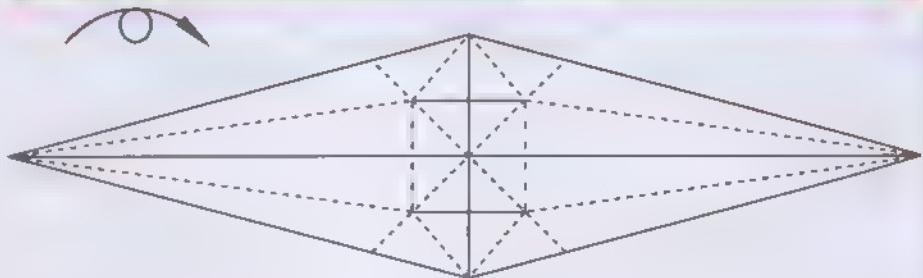
1

Cut rectangular paper
(about 4" by 11") into
diamond shape (see
page 14). Turn over



2

Continue folding into
Base Fold IV



3

Valley fold.



4

Turn over



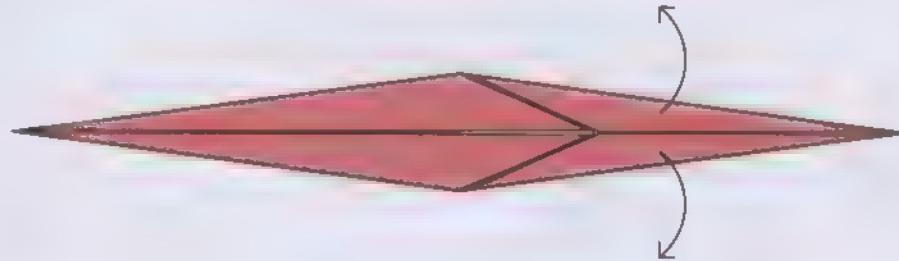
5

Cuts to front layer.



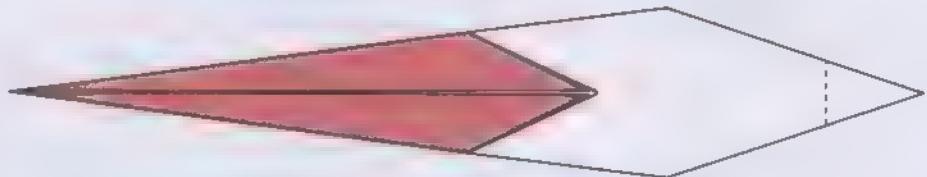
6

Valley folds.



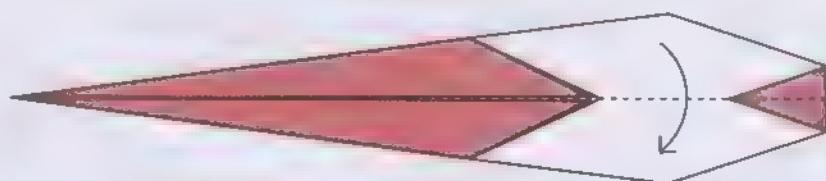
7

Valley fold.



8

Fold in half



Humpback Whale

9

Cut as shown.



10

Valley fold.



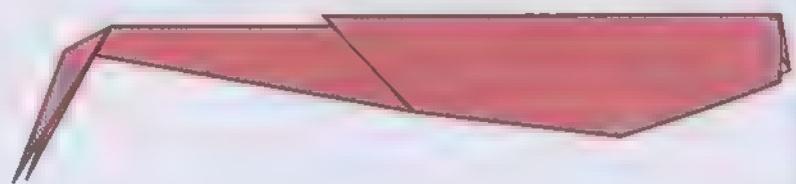
11

Mountain fold



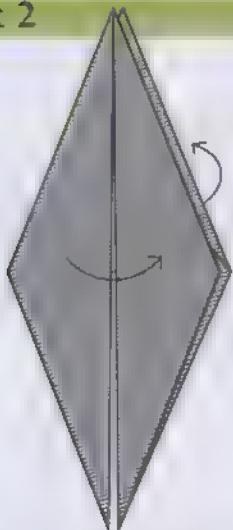
12

Completed part 1
of whale



Part 2

1



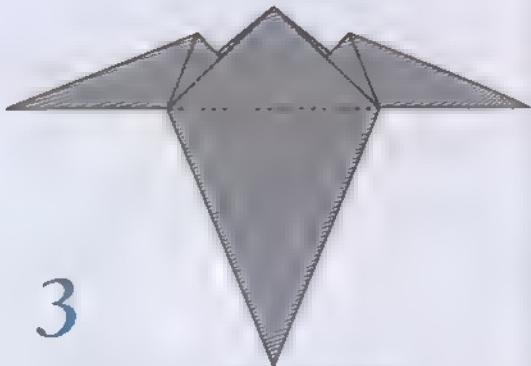
Start with Base Fold III
from 8.5" square. Valley
over, front and back.

2

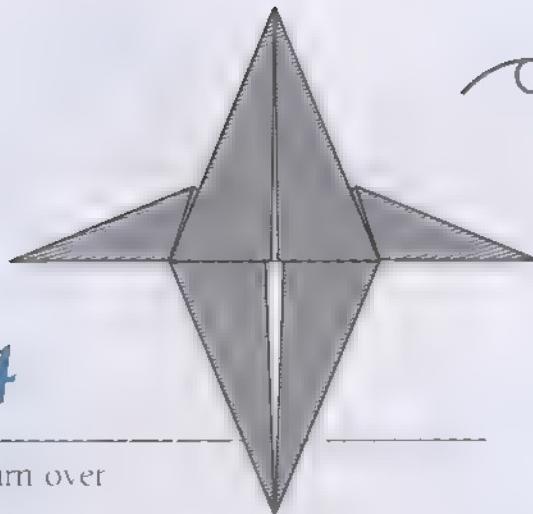


Inside reverse folds.

3

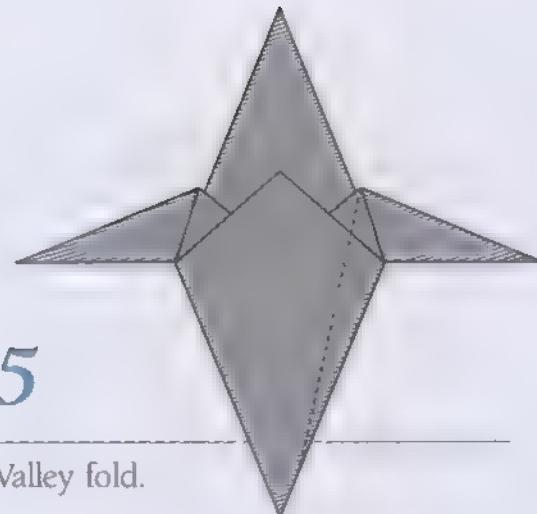


Valley fold



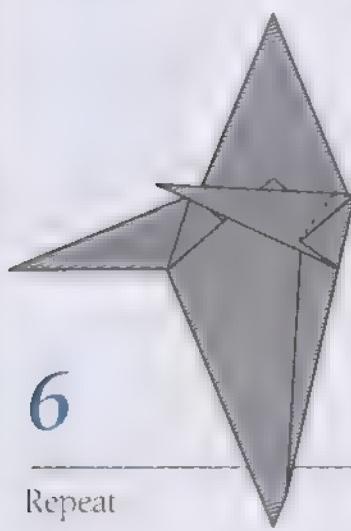
4

Turn over



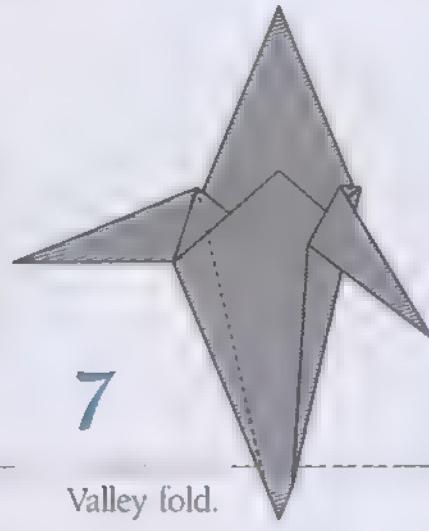
5

Valley fold.



6

Repeat



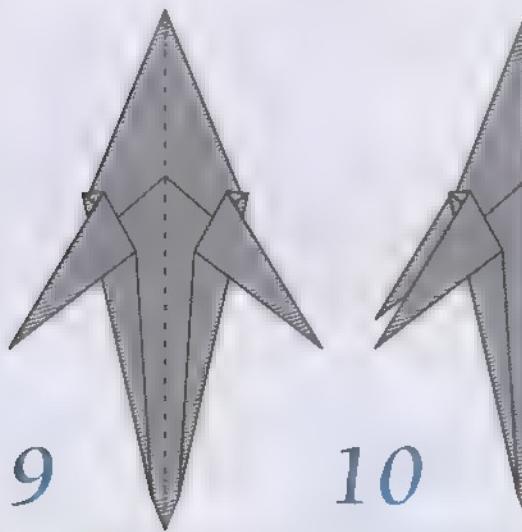
7

Valley fold.



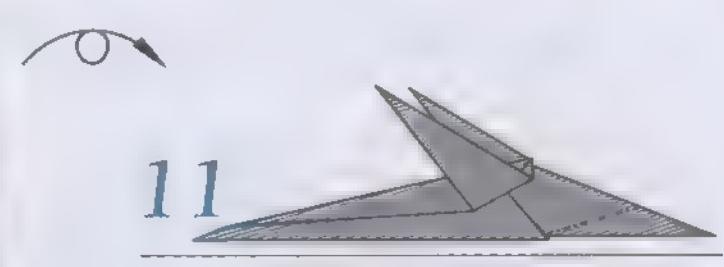
8

Repeat



9

Fold in half.



10

Rotate.

11

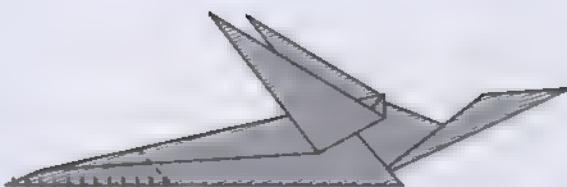
Inside reverse fold.

12

Valley fold both sides.

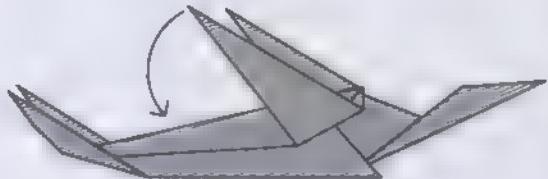
13

Cut as shown. Valley fold upward both front and back.



14

Pull down and outward as shown.



15

Make cuts as shown.



16

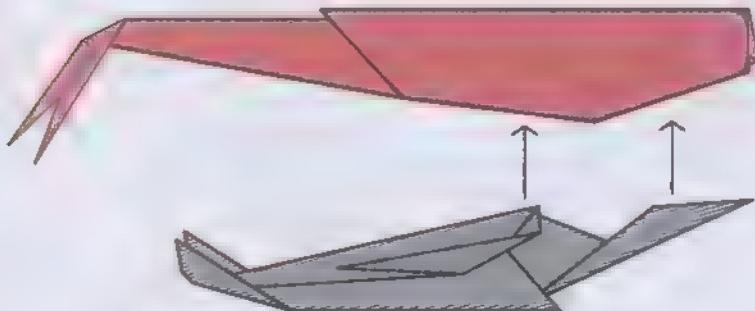
Completed part 2 of whale

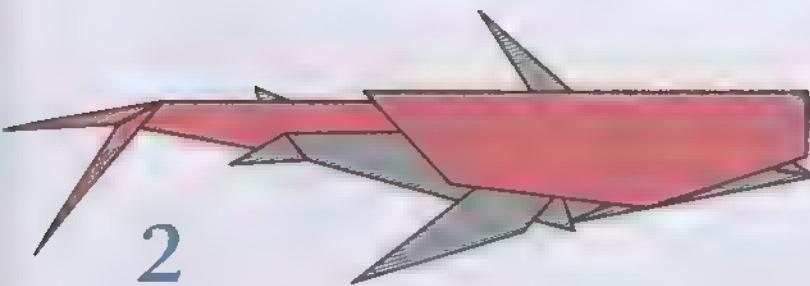


To Attach

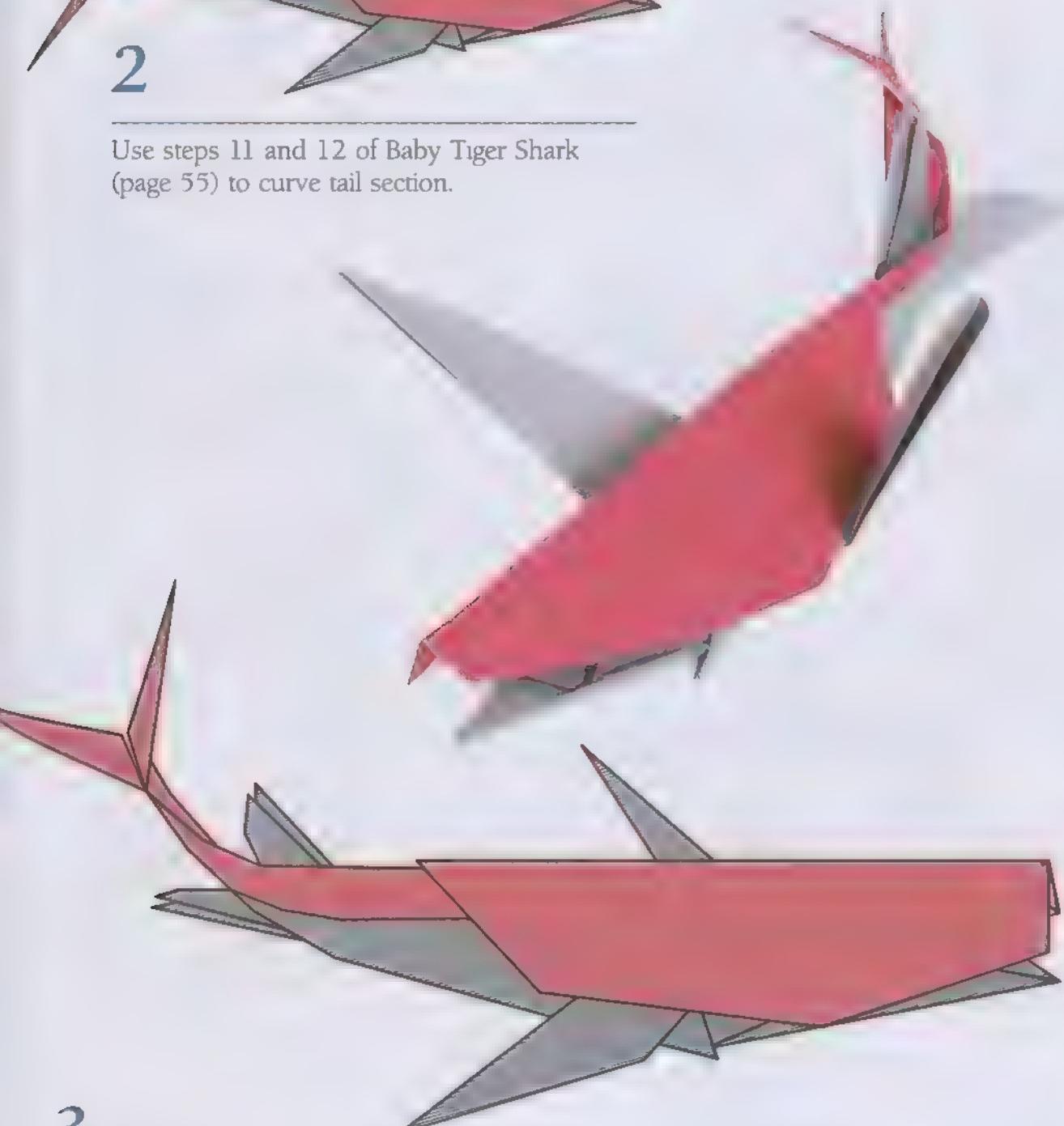
1

Position part 2 of whale into part 1. Glue to secure.



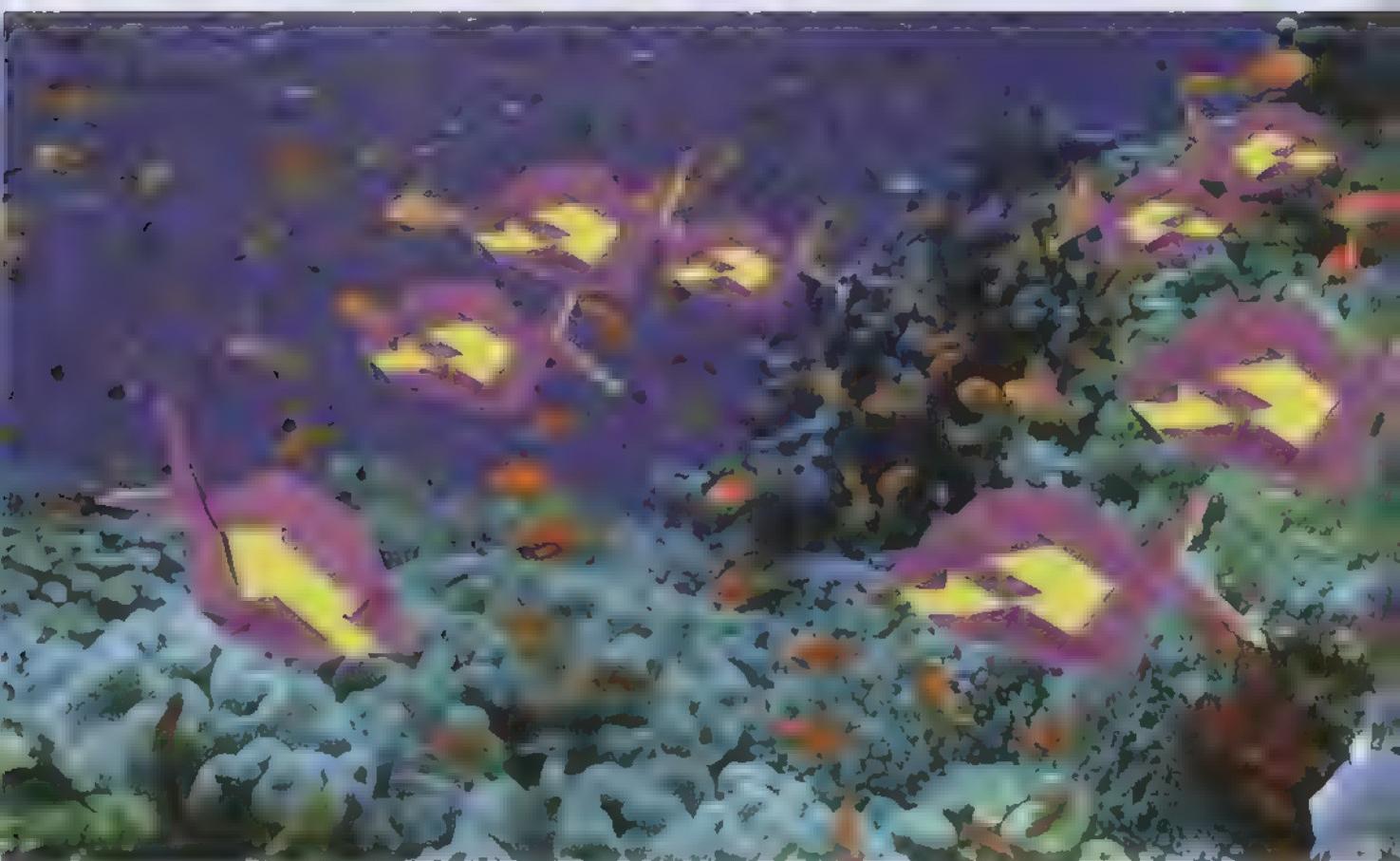


Use steps 11 and 12 of Baby Tiger Shark
(page 55) to curve tail section.



Completed Humpback Whale.

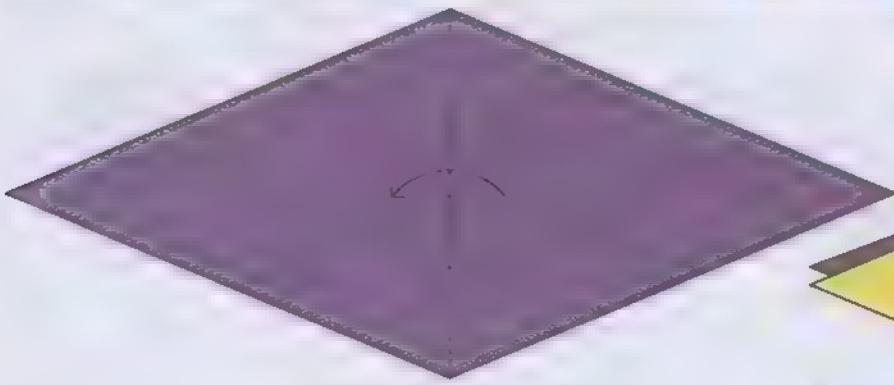
Coral Fish



Coral Fish

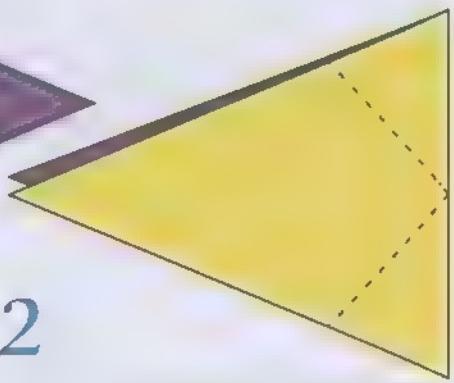
1

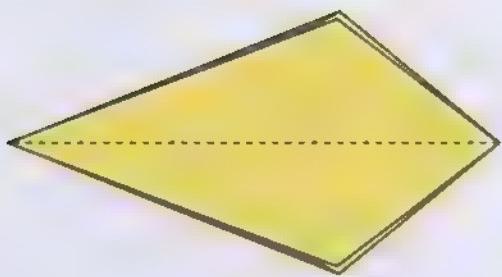
Valley fold in half.



2

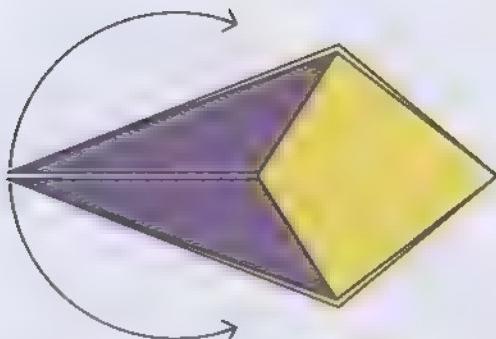
Inside reverse folds





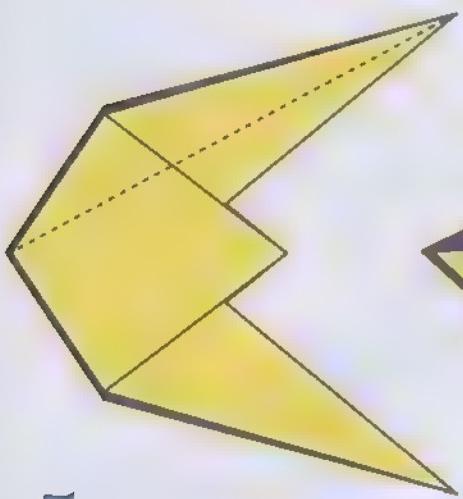
3

Valley fold both front and back.



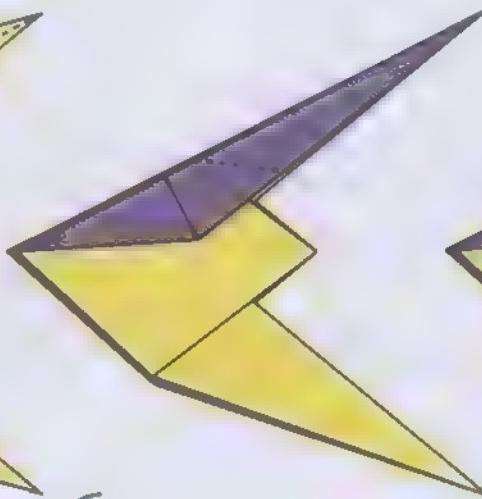
4

Inside reverse folds.



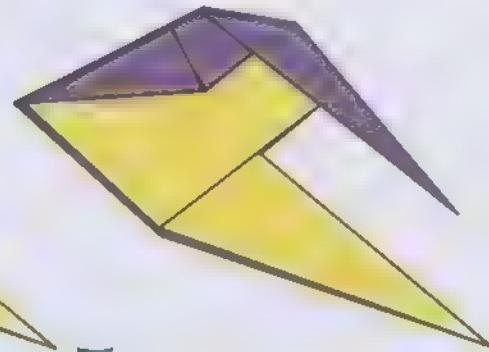
5

Valley fold both sides.



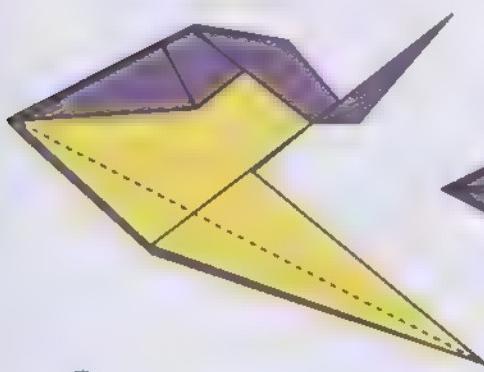
6

Outside reverse fold



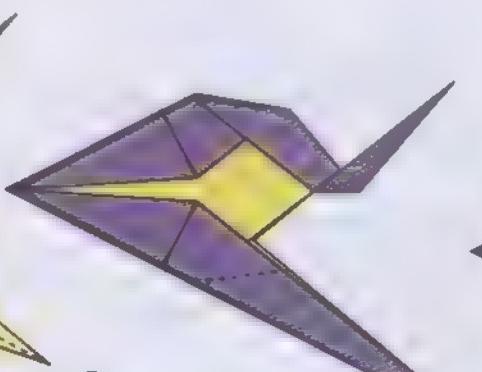
7

Repeat



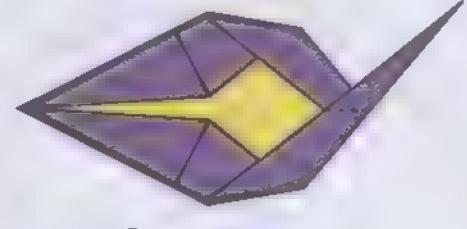
8

Valley fold both sides.



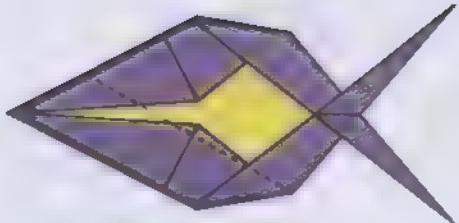
9

Outside reverse fold.



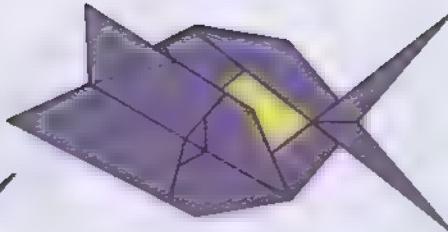
10

Repeat.



11

Valley fold layer to front



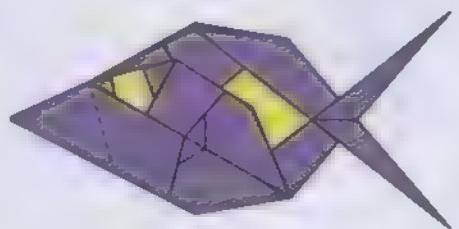
12

Valley fold



13

Mountain fold to inside



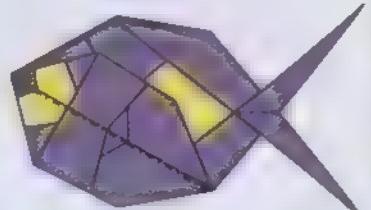
14

Valley fold



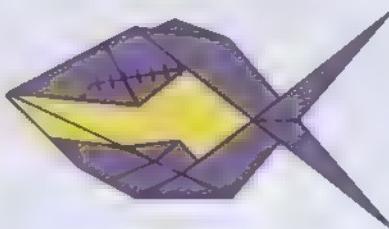
15

Mountain fold to inside



16

Mountain fold to back



17

Cuts and valley out to sides both front and back.

18

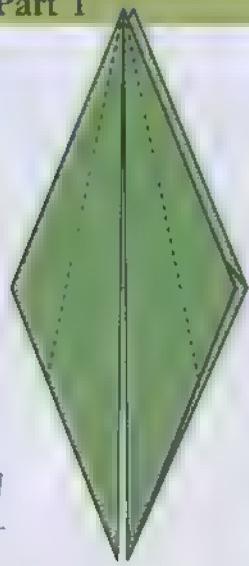
Completed Coral Fish



Swordfish

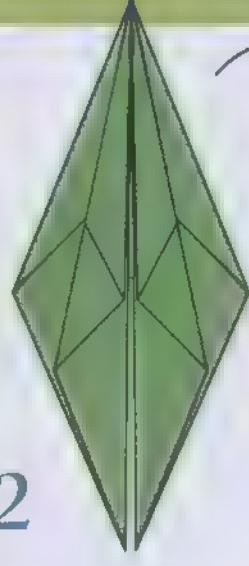


Part I



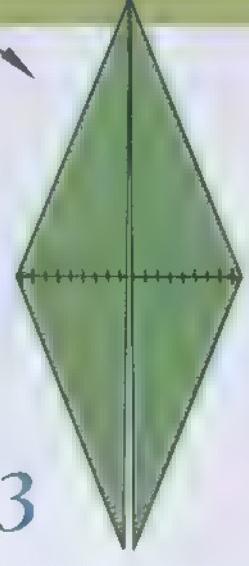
1

Start with Base Fold
III. Valley folds



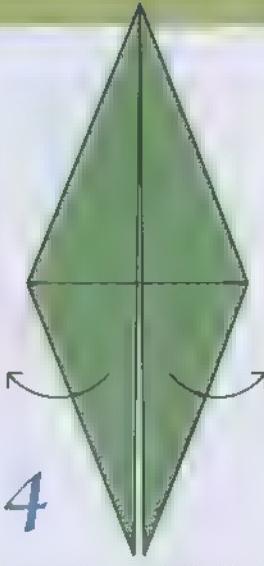
2

Turn over.



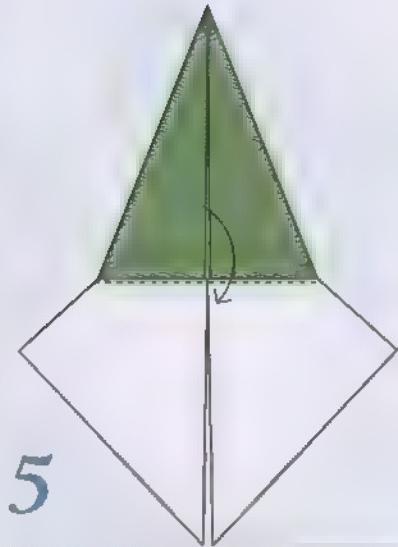
3

Cut front layers.

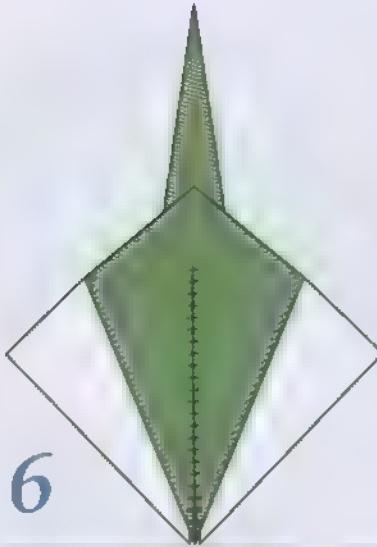


4

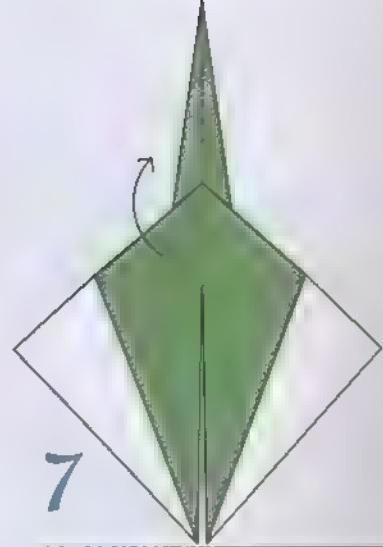
Valley folds.



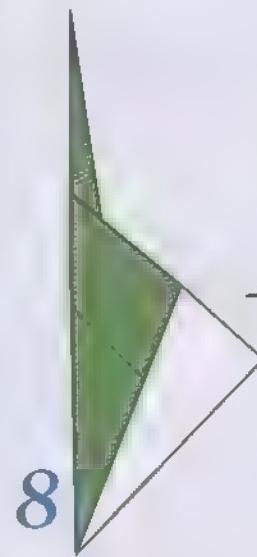
Valley fold.



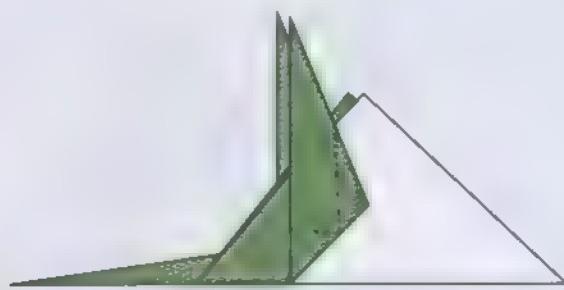
Cut flap as shown.



Mountain fold in half.

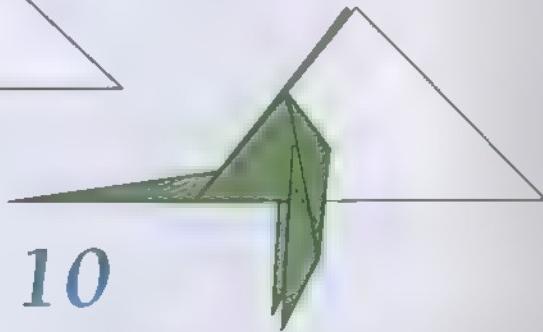


Valley fold both sides upward.
Rotate.



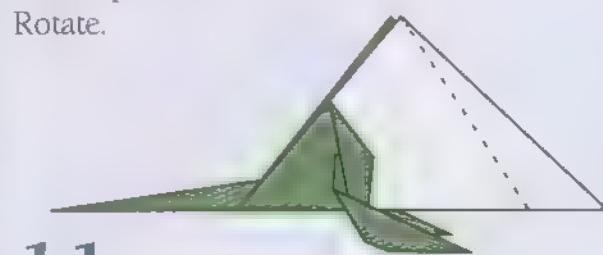
9

Valley fold and
squash at same
time, front and
back.



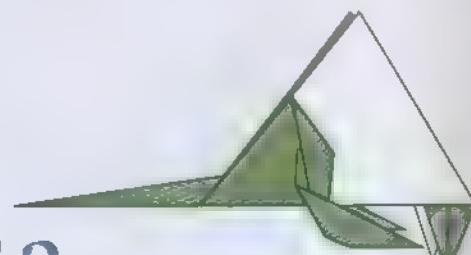
10

Valley fold both front and back



11

Mountain fold both front and back.



12

Completed part 1 of swordfish.

Part 2

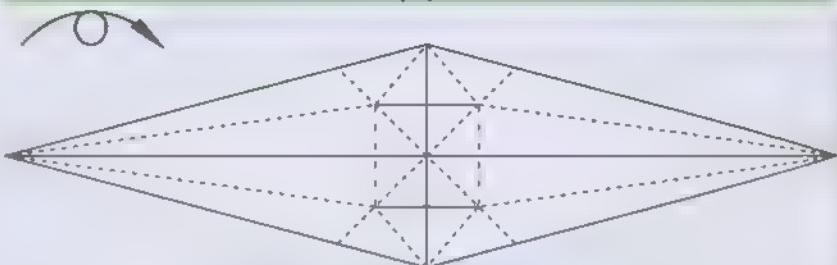
1

Cut paper (about 4" by 11") into diamond shape (see page 14). Turn over.



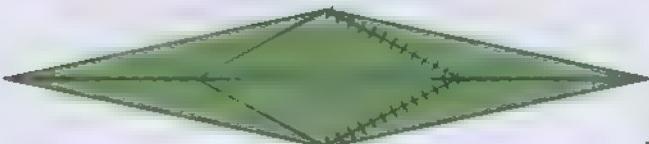
2

Complete folding into Base Fold IV.



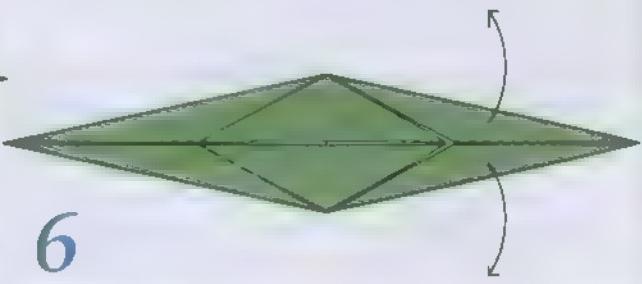
3

Valley fold.



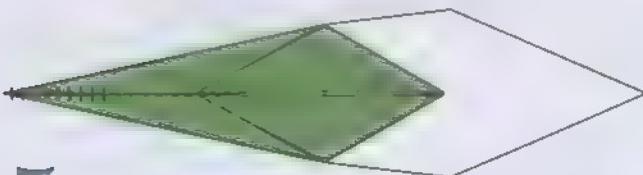
4

Turn over.



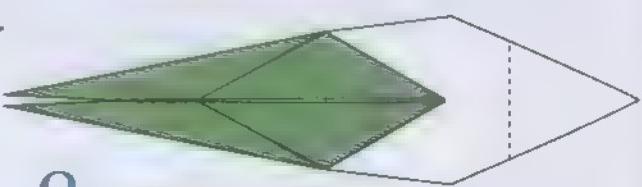
5

Cuts to front layer.



6

Valley open cut parts.

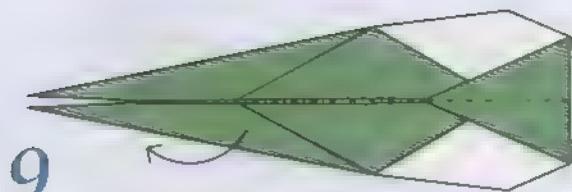


7

Cut as shown.

8

Valley fold.



9

Mountain fold in half



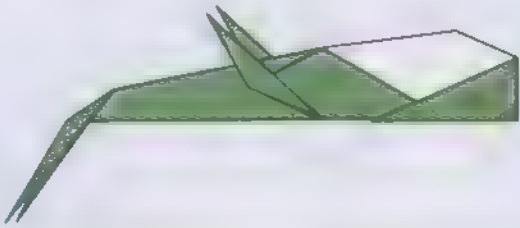
10

Valley fold both front and back



11

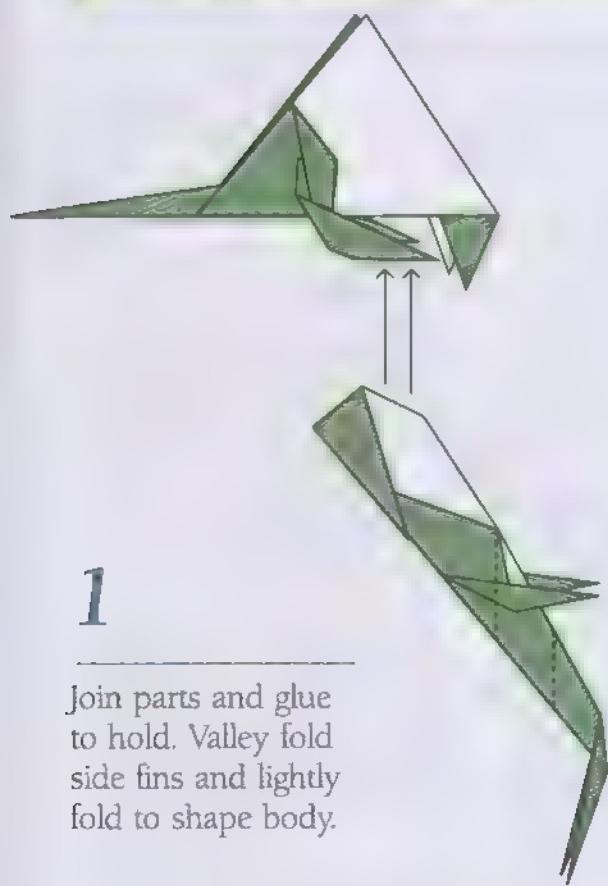
Valley fold both sides



12

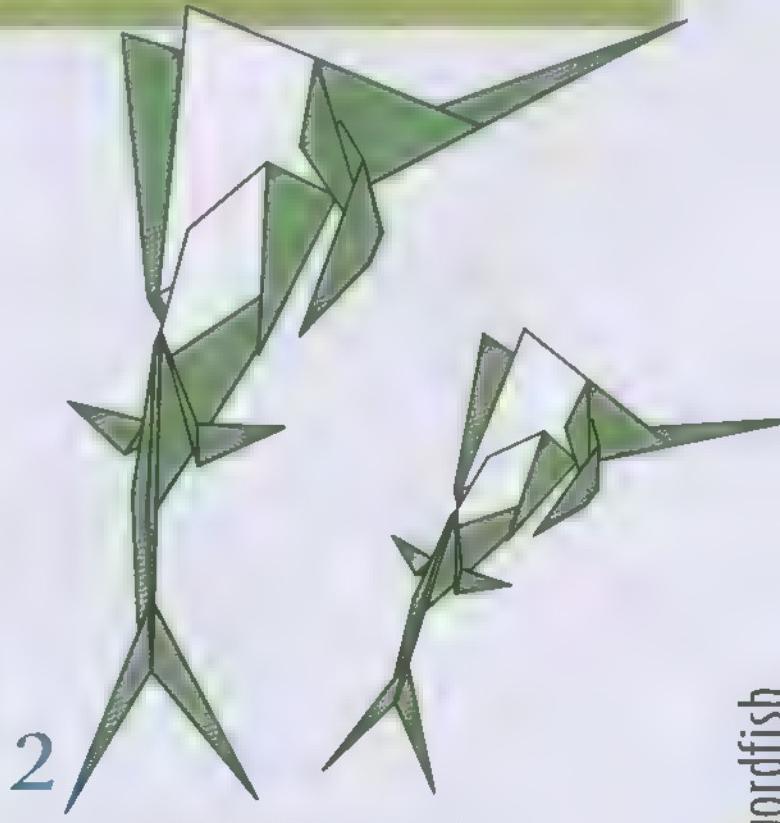
Completed part 2 of swordfish.

To Attach



1

Join parts and glue to hold. Valley fold side fins and lightly fold to shape body.



2

Completed Swordfish.

King Crab



Part 1

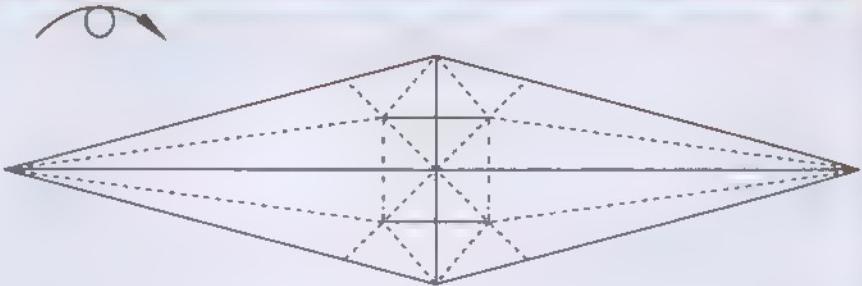
1

Cut rectangular paper (about 4" by 11") into diamond shape (see page 14). Turn over.



2

Continue folding into Base Fold IV.





3

Valley fold both front and back



4

Cut as shown on both sides



5

Valley fold long flaps to right. Then valley first layer up and back layer down.



6

Valley fold



7

Mountain fold.



8

Rotate



9

Valley folds.



10

Mountain folds.



11

Inside reverse folds.



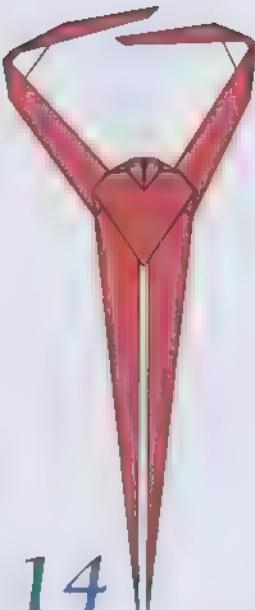
12

Make cuts as shown.



13

Outside reverse
folds.



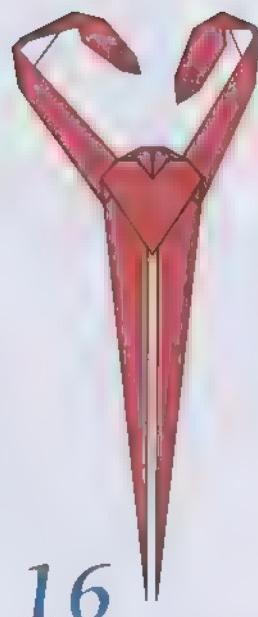
14

Inside reverse folds.



15

Valley folds.



16

Cuts and loose
valley folds.



17

Mountain folds



18

Valley folds



19

Completed part 1 of crab.

Part 2

1



9



Start with step 8 of part 1.

Valley folds, then rotate.

10



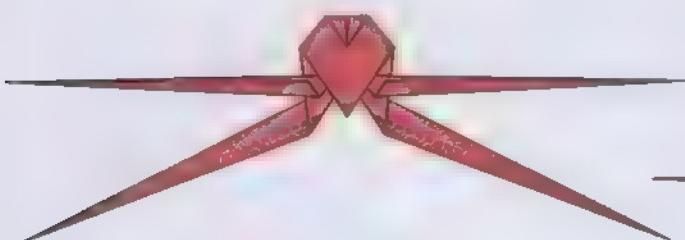
Valley folds.

11



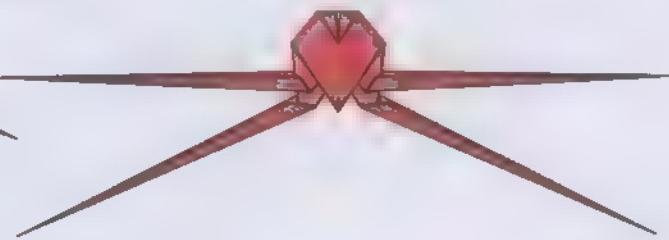
Valley folds.

12



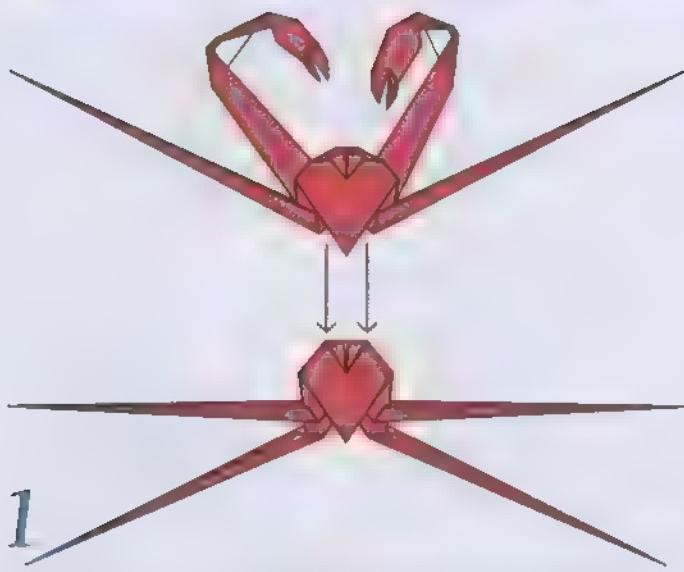
Valley folds.

13

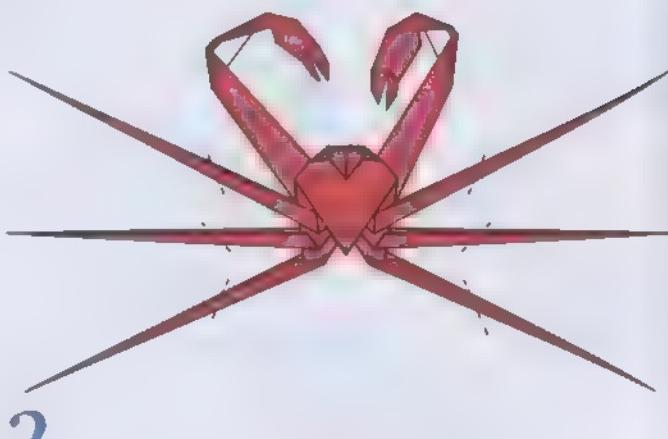


Completed part 2 of crab.

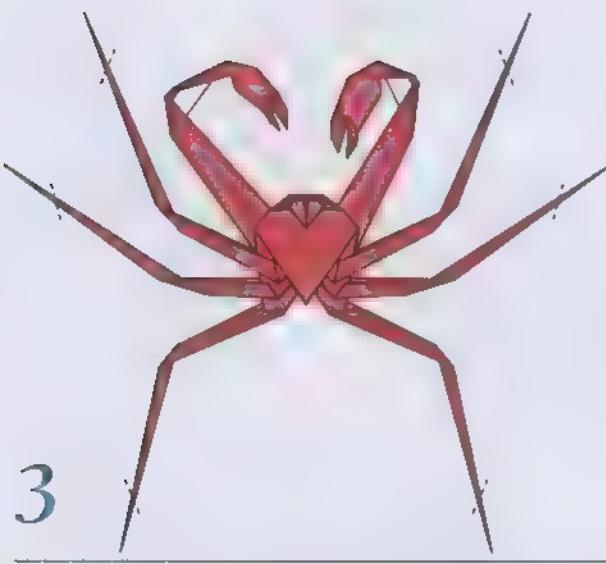
To Attach



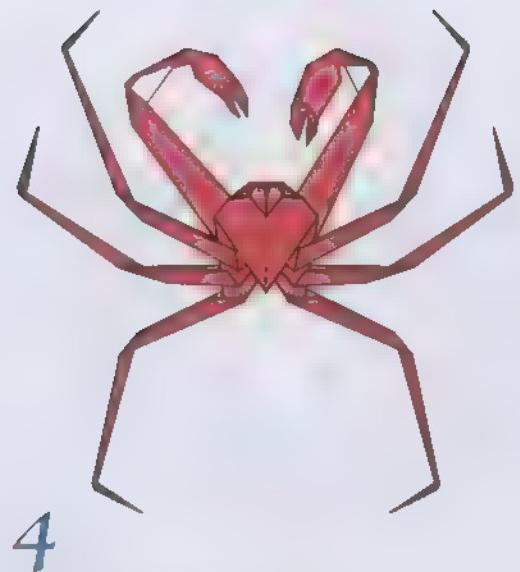
Join parts together and apply glue to hold.



Mountain fold all six legs.



Squash fold ends of legs as shown.

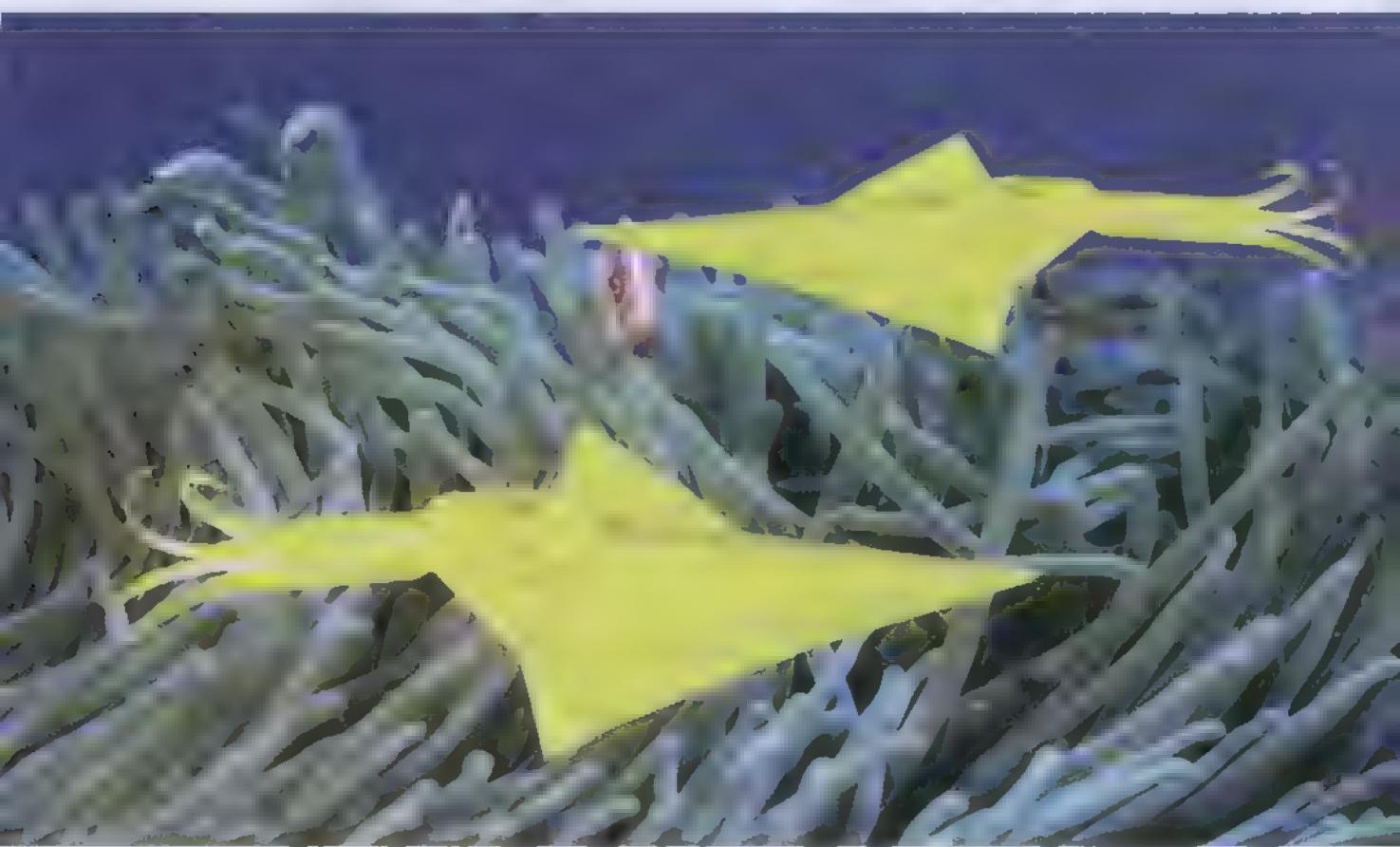


Mountain fold body in half,
then unfold to shape.



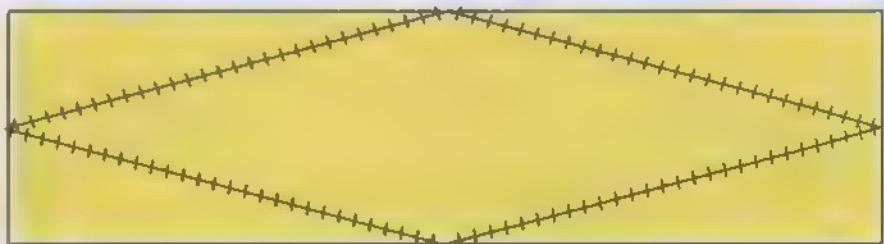
King Crab

Squid



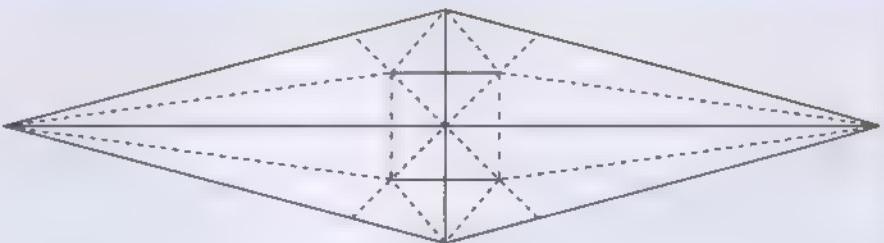
1

Start with rectangular paper (about 4" by 11"). Cut as shown (see page 14). Turn over



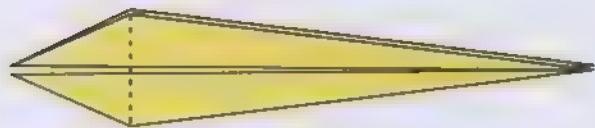
2

Continue folding into Base Fold IV.



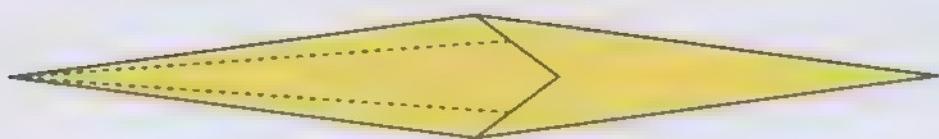
3

Valley fold



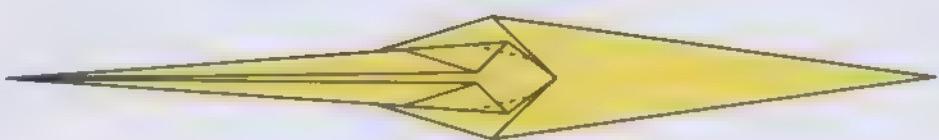
4

Valley folds.



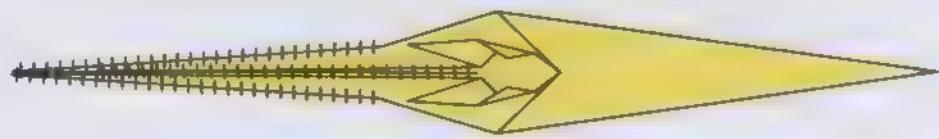
5

Valley folds.



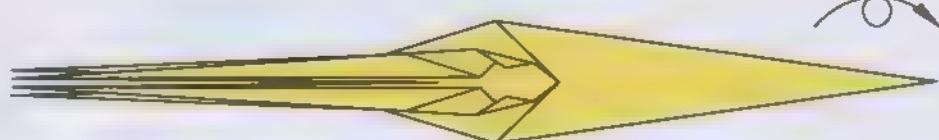
6

Make cuts as shown.



7

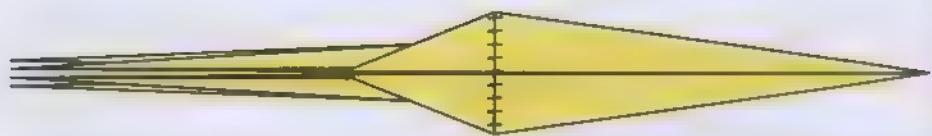
Turn over.



Squid

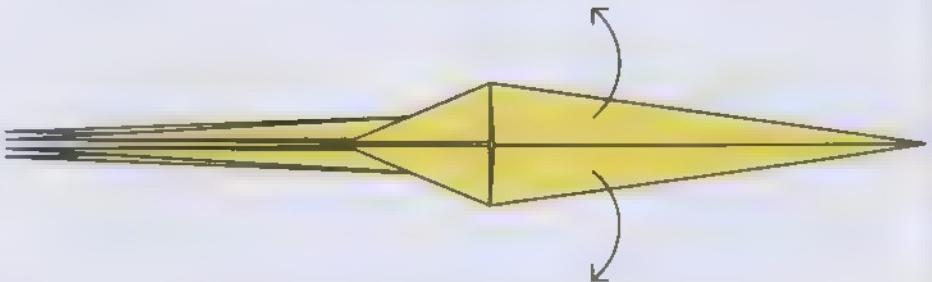
8

Cuts to front layers.



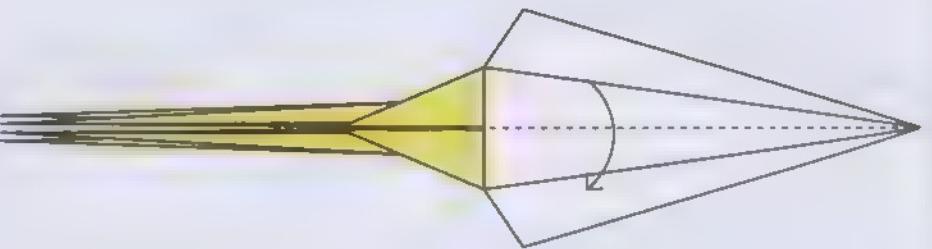
9

Valley unfold cut parts.



10

Valley fold in half.



11

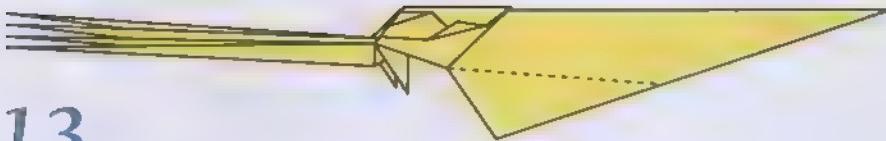
Inside reverse fold.



12

Repeat inside reverse.





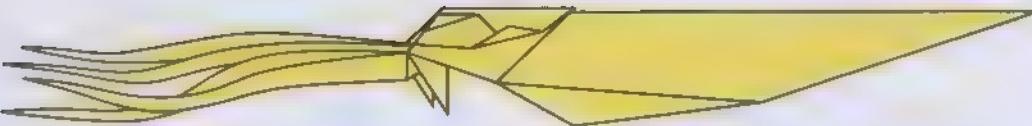
13

Valley fold both front and back.



14

Add curves to tentacles.



15

Completed Squid.

Blue Shark



Part 1

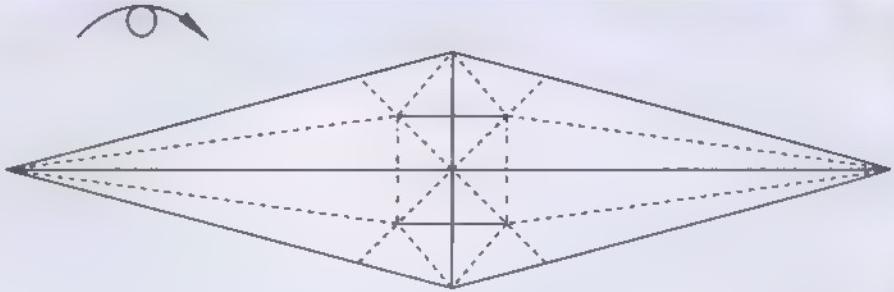
1

Cut rectangular paper (about 4" by 11") into diamond shape (see page 14). Turn over.



2

Continue folding into Base Fold IV.



3

Valley fold.



4

Turn over.



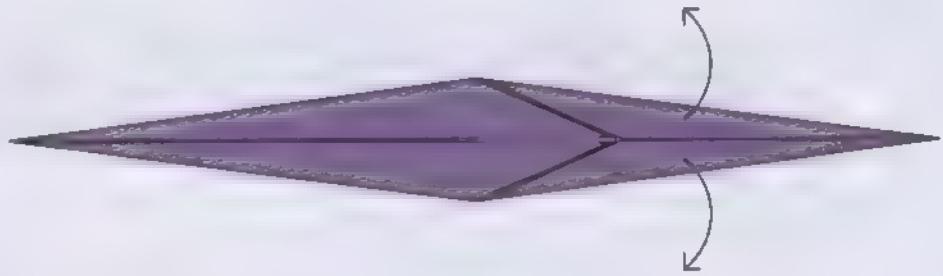
5

Cuts to front layer.



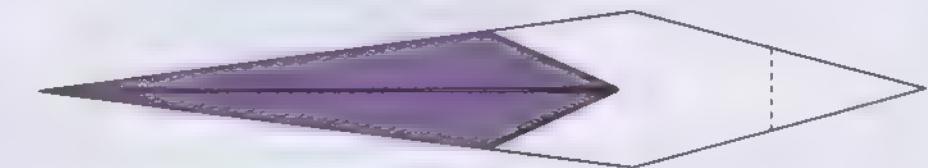
6

Valley unfolds.



7

Valley fold



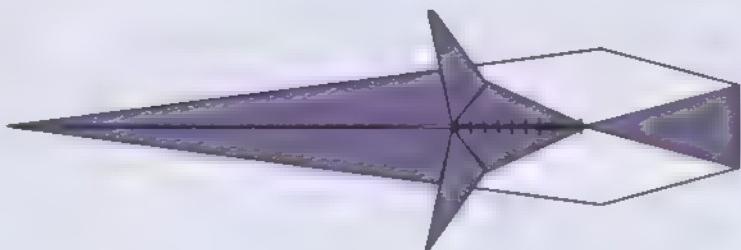
8

Valley folds



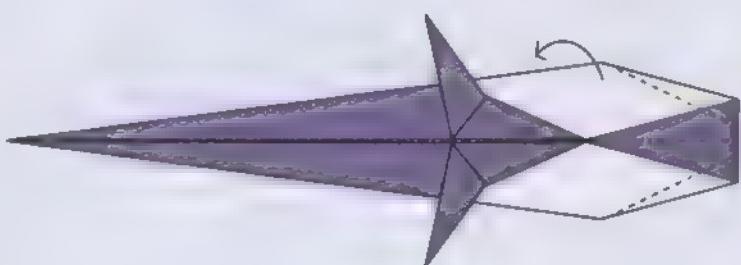
9

Cuts as shown.



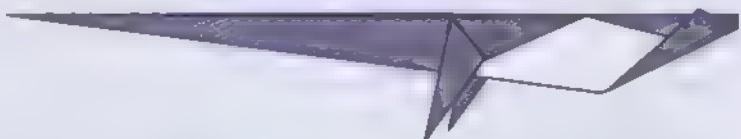
10

Valley folds, then
mountain fold in half



11

Valley fold both sides.



12

Valley fold.



13

Completed part 1 of
shark



Part 2

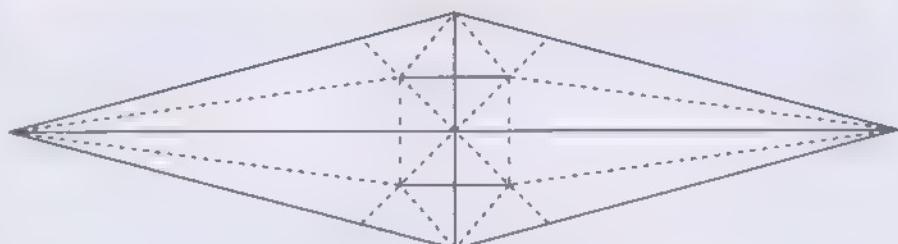
1

Cut rectangular paper (about 4" by 11") into diamond shape (see page 14). Turn over.



2

Continue folding into Base Fold IV.



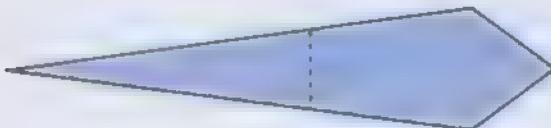
3

Valley folds
Repeat behind.



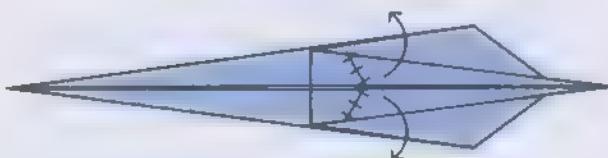
4

Valley fold



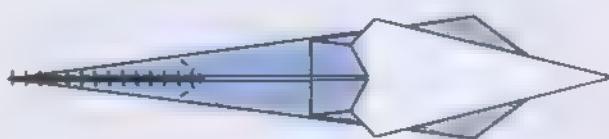
5

Cuts as shown. Valley
open cut parts.



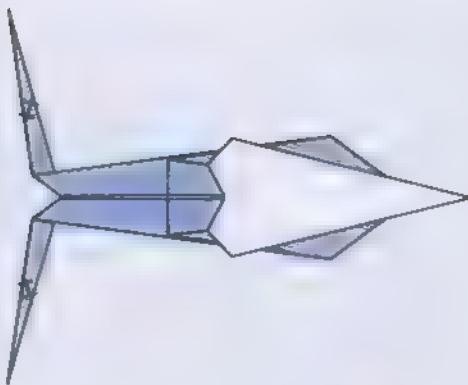
6

Cut, and mountain
fold cut parts



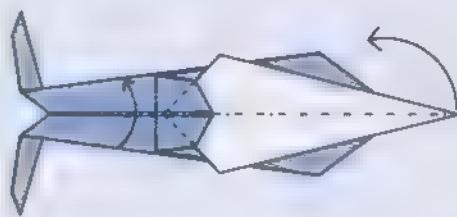
7

Cut off ends as shown



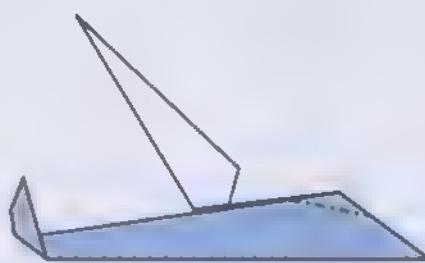
8

Inside reverse to form fin,
then valley fold in half.



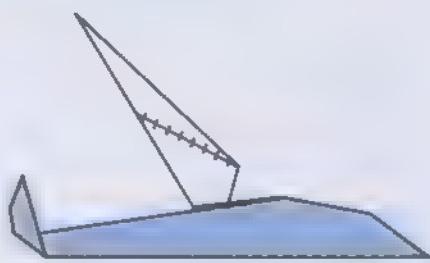
9

Mountain folds.



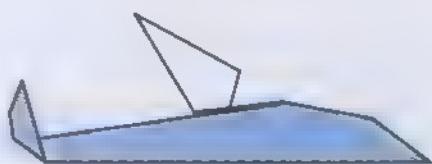
10

Cut as shown



11

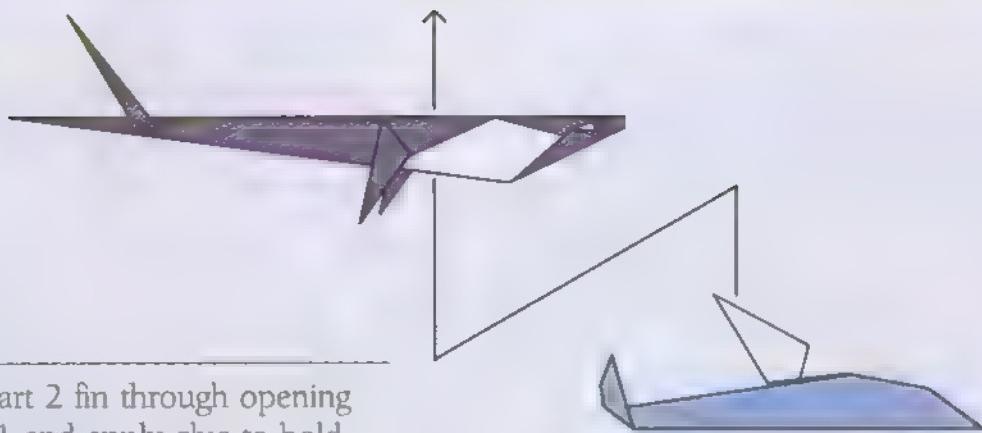
Completed part 2
of shark.



To Attach

1

Insert part 2 fin through opening in part 1 and apply glue to hold.



2

Mountain fold to inside

3

Valley fold to front. Apply glue to hold.

4

Completed Blue Shark.

Octopus



Part 1

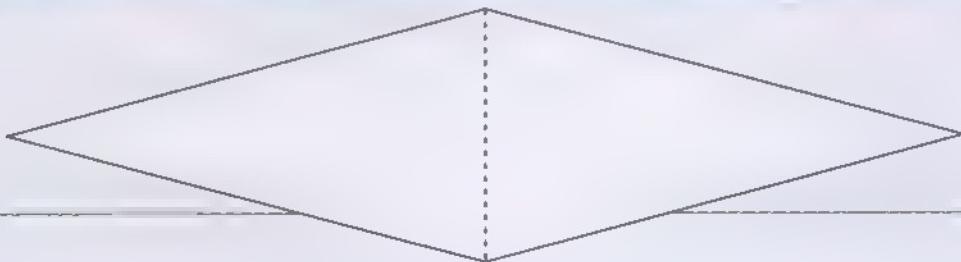
1

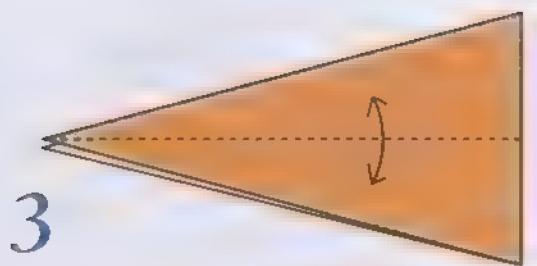


Cut rectangular paper (about 4" by 11") into diamond shape (see page 14). Turn over

2

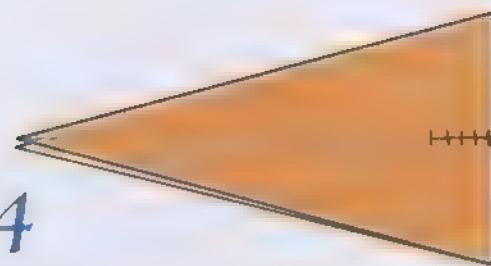
Valley fold





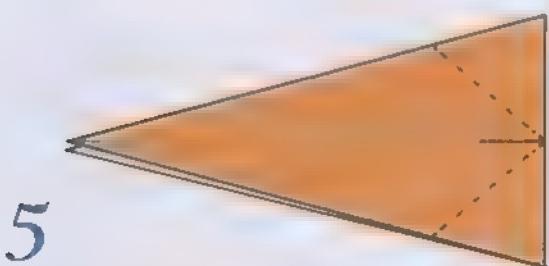
3

Valley fold and unfold.



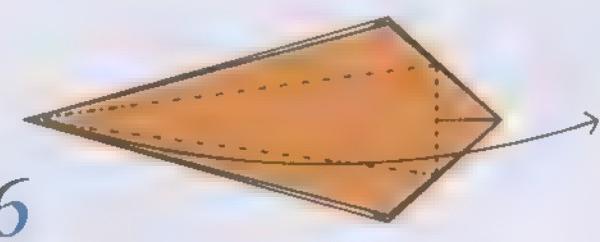
4

Cut as shown.



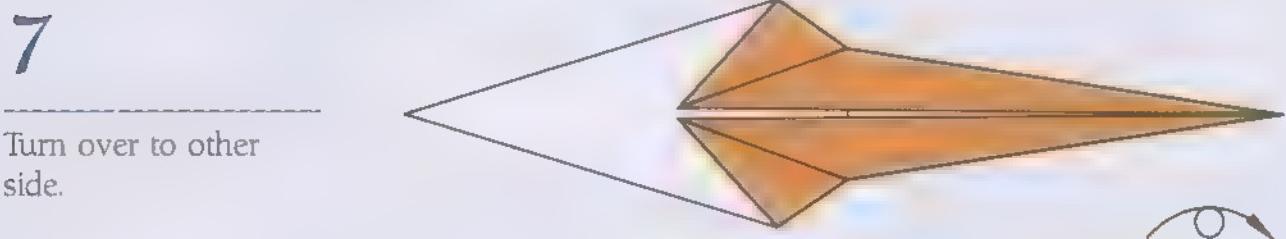
5

Inside reverse folds



6

Pull and valley fold along dashed line

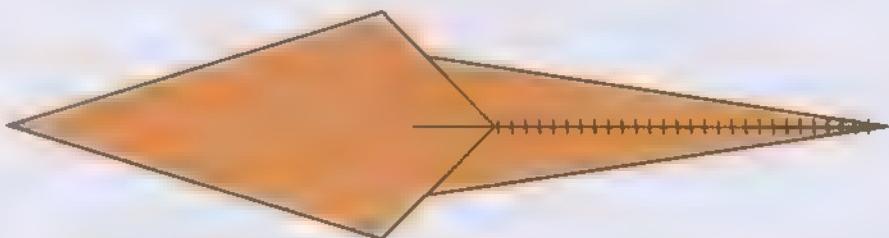


7

Turn over to other side.

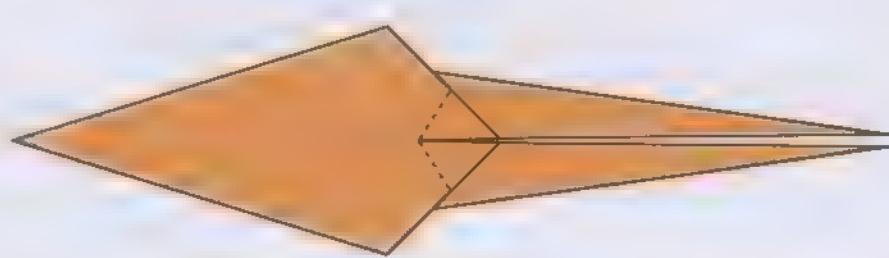
8

Cut as shown



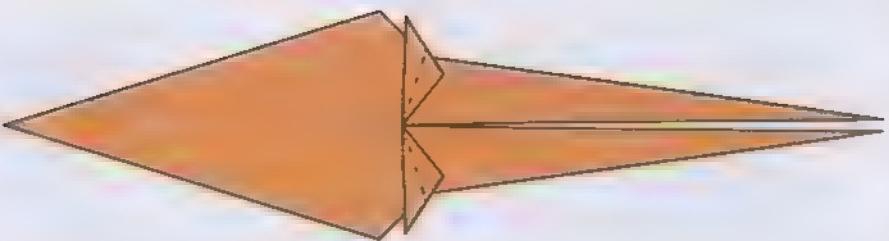
9

Valley folds.



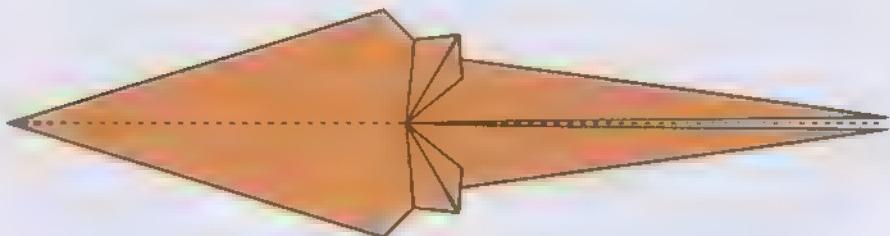
10

Squash folds



11

Valley fold in half.



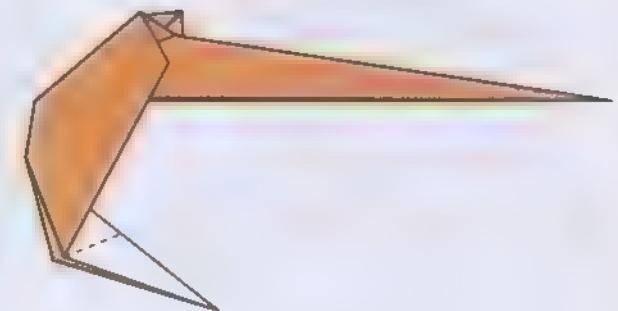
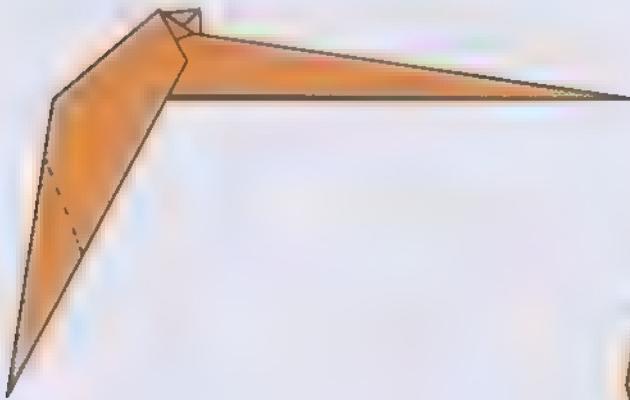
12

Outside reverse fold.



13

Inside reverse fold.



14

Outside reverse fold.



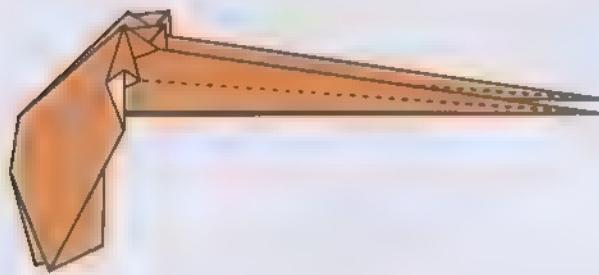
15

Valley fold both front and back.



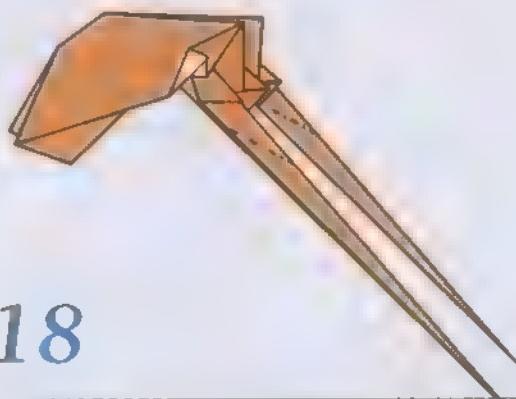
16

Squash fold both front and back



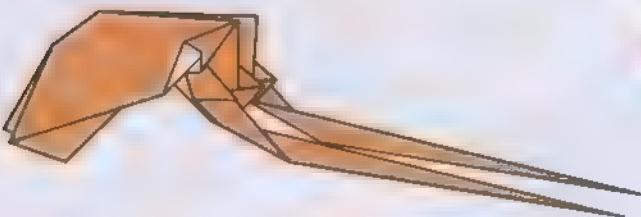
17

Valley fold both sides, and rotate



18

Mountain fold both front and back



19

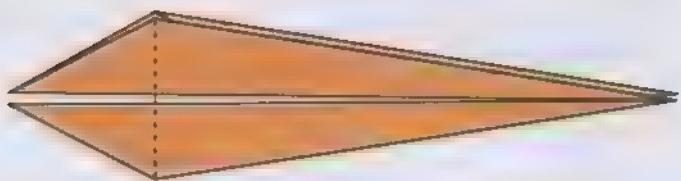
Completed part 1 of octopus.



Part 2

1

Base Fold IV
Valley folds.



2

Valley fold both sides.



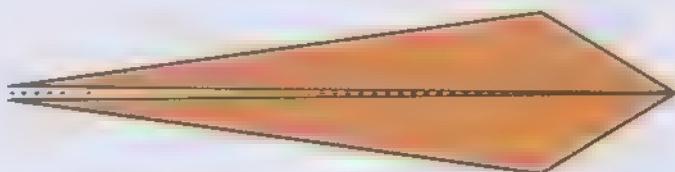
3

Valley fold both sides.



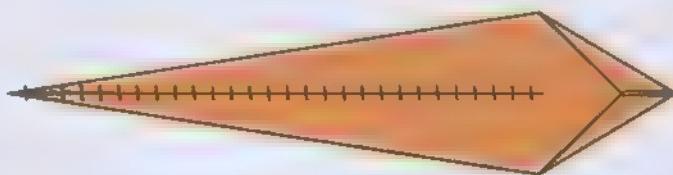
4

Valley folds again.



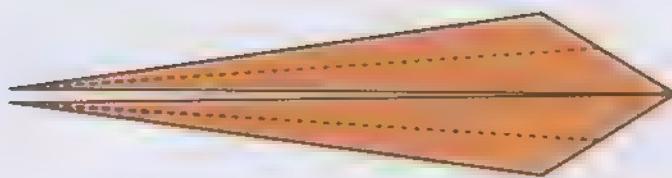
5

Cut both flaps and
return to last step.



6

Valley folds both sides.



7

Mountain fold in half



8

Inside reverse fold.

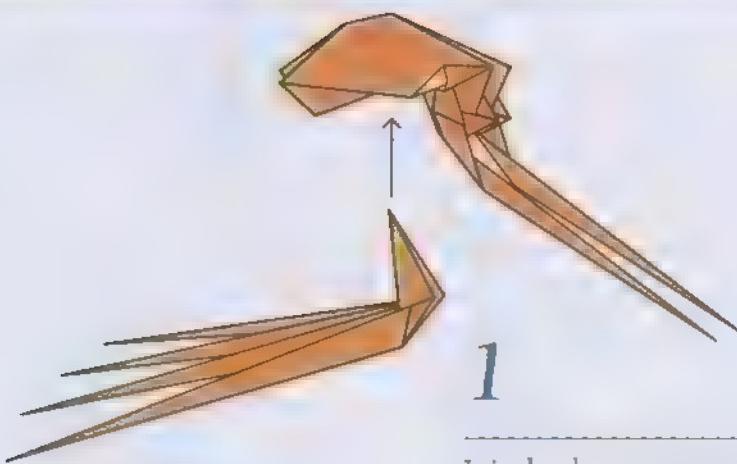


9

Completed part 2
of octopus.

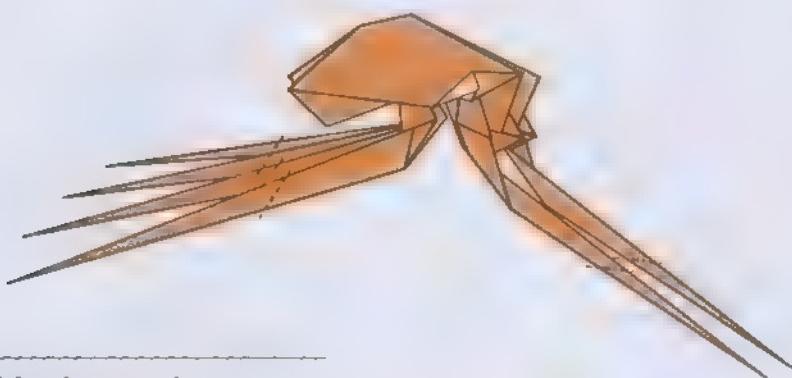


To Attach



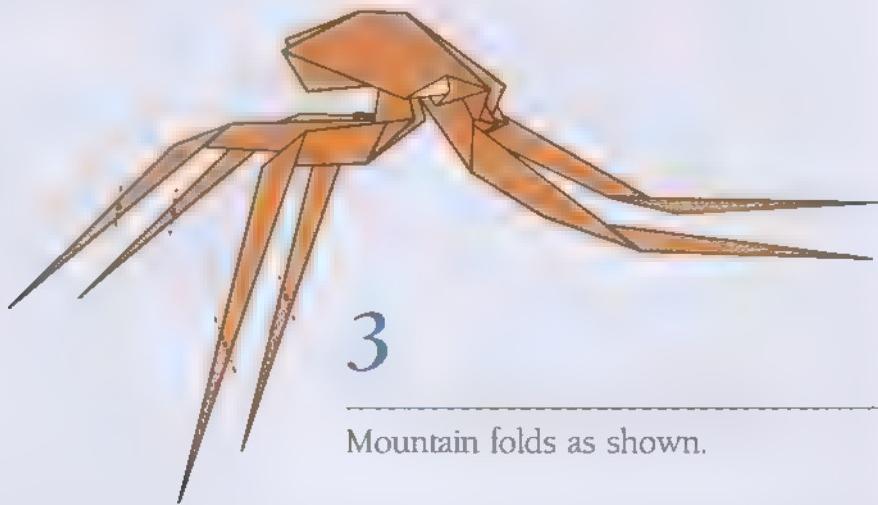
1

Join both parts together as shown and apply glue to hold.



2

Valley fold back tentacles.
Mountain fold front tentacles.



3

Mountain folds as shown.



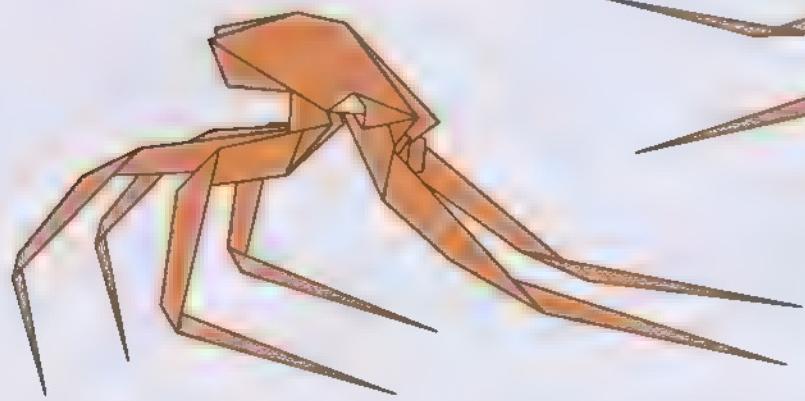
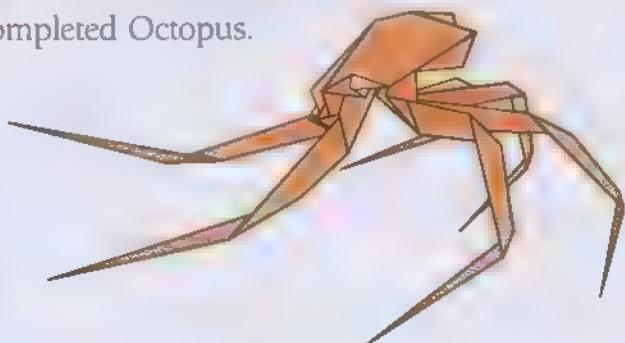
4

Spread out tentacles to completion.



5

Completed Octopus.







Electric Eel



Walrus



Angelfish



King Crab



Flying Fish



Hammerhead
Shark



Squid



Horseshoe Crab



Blue Shark

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